



Network Video Recorder user Manual

NR-1-A4 Series

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1. Safety Warnings

For your safety, please read and follow the following safety warnings:

1. Do not expose the NVR to any heat sources.
2. Please make sure the environment is well-ventilated. Do not block the ventilation opening of the NVR.
3. Keep all liquids away from the NVR.
4. Ensure that the NVR is provided with the correct supply voltage. Plugging the NVR to an incorrect power source could damage the unit.
5. Make sure the temperature and humidity of the environment are in optimized level.
6. Damped dust on PCB in the device will cause short circuit, so in order to ensure the NVR's stable and long-term operation, please regularly clean the PCB, connector, chassis and chassis fan using soft brush.
7. Please install DVR-specific hard disks recommend by our company.

About This Manual:

This user manual provides detailed information and instructions especially for the NR-1-A4 series NVR.

After receiving the product, please check all the items in the package with the packing slip to ensure that all the proper components are present. If any of the items are missing or broken, contact your dealer to arrange a replacement.

2. Hard Disk Installation

Notice

Please install DVR-specific hard disks recommend by our company.

NR-1-A4 series can install a maximum of 1 hard disk.

Please make sure the device is turned off before installation.

Installation Tool: Phillips screwdriver

NR-1-A4 series hard disk installation procedure:

1. Unscrew the nuts on the rear panel and then take off the chassis cover.



2. Put the hard disk in the chassis, and then fix it on the hard disk bracket by using the screw driver.



3. Connect one end of the hard disk cable to the main board and the other end to the hard disk, and then connect power cable to the hard disk.



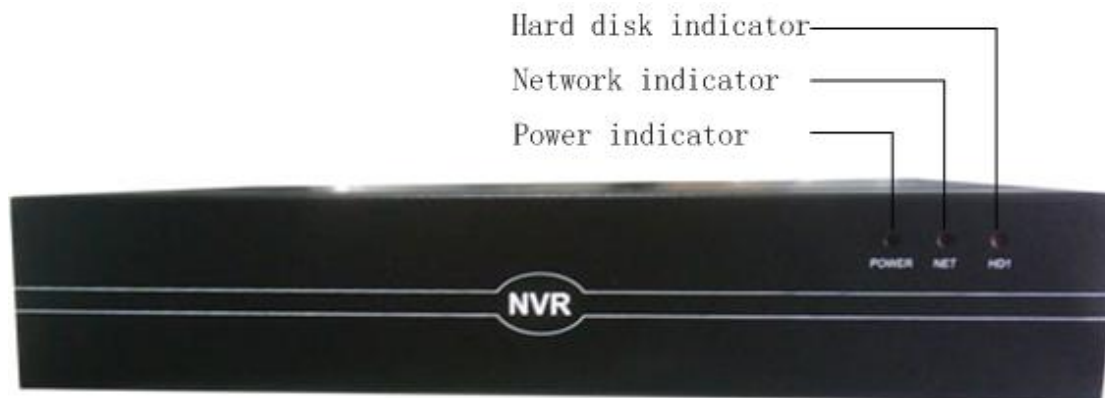
Red for hard disk data line, black for power connection line.

4. Cover the chassis and then fix it with the screwdriver.

3. Product Description

NR-1-A4 Series

Front View:



NR-1-A4 series supports maximum 1 hard disk.

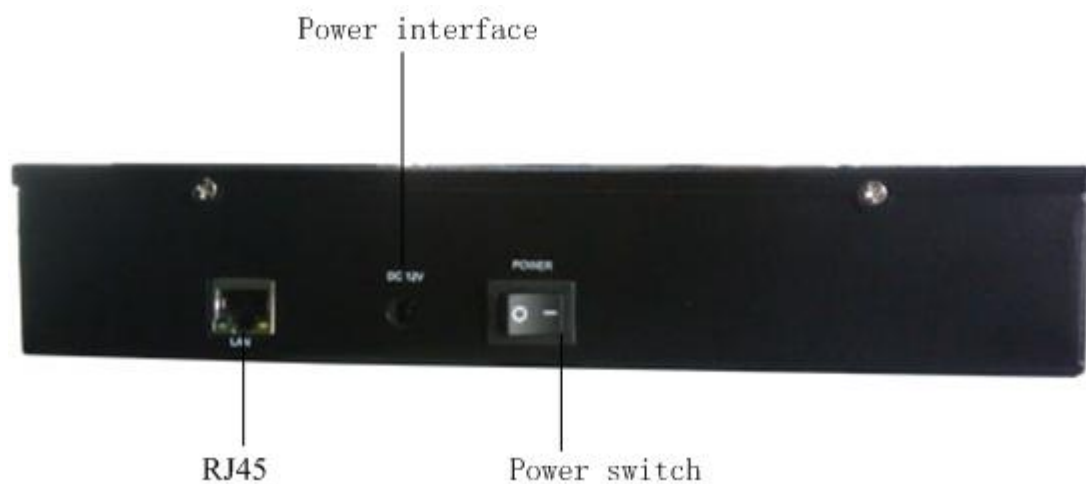
There are three LED indicators on the front panel to show the current device status.

The visible angle of the LED indicators is 170°.

LED Indicators:

Name	Description
Power Status LED	If the light is lit continuously, it indicates that the device is powered.
Network Status LED	If the light continues flashing, it indicates that the network is in its normal status.
Hard disk Status LED	If the light is lit continuously, it indicates that the hard disk is connected and in its normal status.
	If the light continues flashing, it indicates that the hard disk is transmitting data.

Back View:



Name	Connection instruction
Power switch	Power on/off
Power connector	12V power connector
RJ45 connector	100M network connector

4. Technical Specifications

Model	NR-1-A4
Video compression	H.264
Video input	4 channel IP camera EasyN H3、EasyN F2
Playback resolution	1280x720
Network interface	1 100M RJ45 interface
Hard disk interface	1 SATA interface
Hard disk capacity	Each interface supports a maximum of 2TB
Power supply	DC 12V/5A
Power consumption	≤ 12 W (hard disk is not included)
Operating temperature	-10℃-- + 55℃
Operating humidity	10%--90%
Chassis	1U
Dimensions	260mmx187mmx45mm (W x D x H)
Weight (hard disk is not included)	1125g

5. Turning On / Off the Device

1. Turn On the device

After the power socket is connected, press the power switch on the rear panel of NVR.

2. Turn Off the device

Press the power switch on the rear panel of the device.

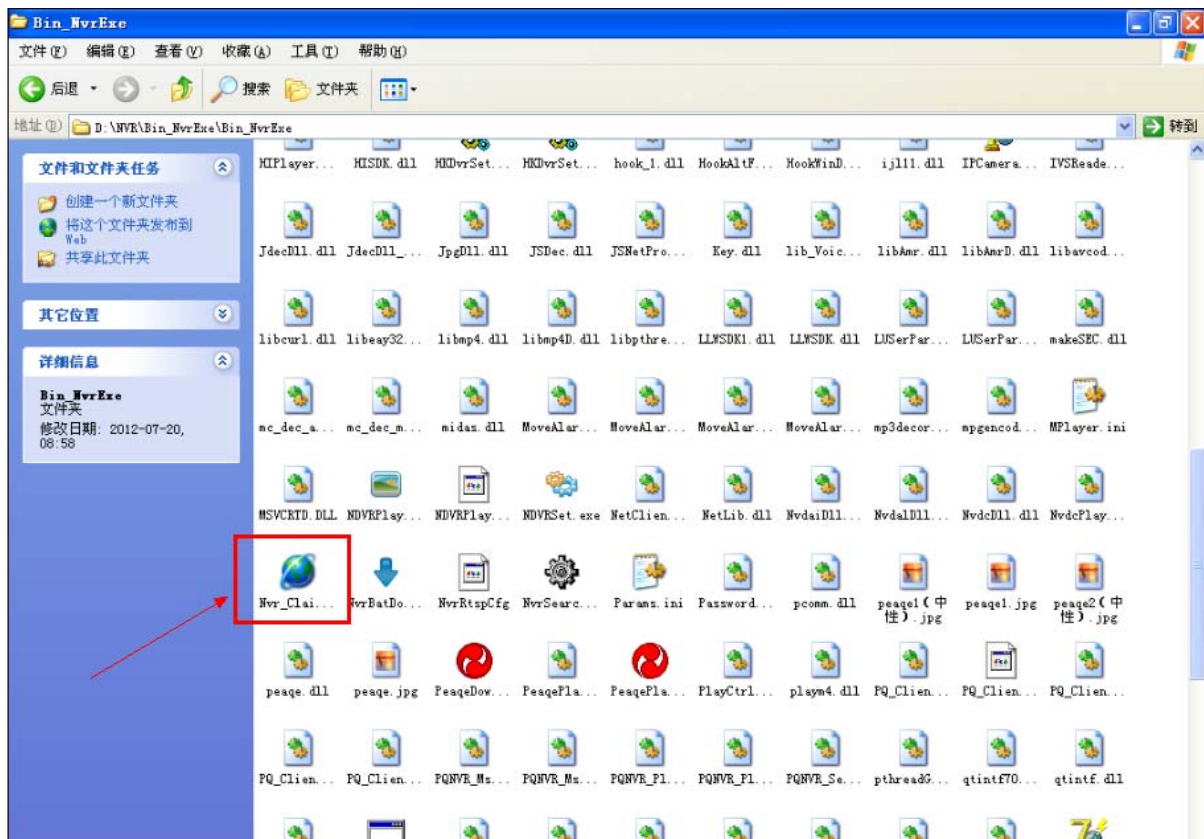


Note: Please make sure that the power supply is compatible to the required power supply according to technical specifications.

6. Client Software Instruction

1. Run Client Software

Run **Nvr_Clairvoyance.exe** (globe icon) in standalone software package and then a login screen will welcome you. Enter your **user name** and **password** then click the “**Login**” button to Login. (Both user name and password are “admin” by default.) As shown in Figure 1:



Put user and password(user:admin ,password :12345) in the pop-up login window , as the following shown:

Figure 1



Figure 2

2. Search for NVR and IP Camera

After login, right click “Network video server”, and then click “searching tool”.

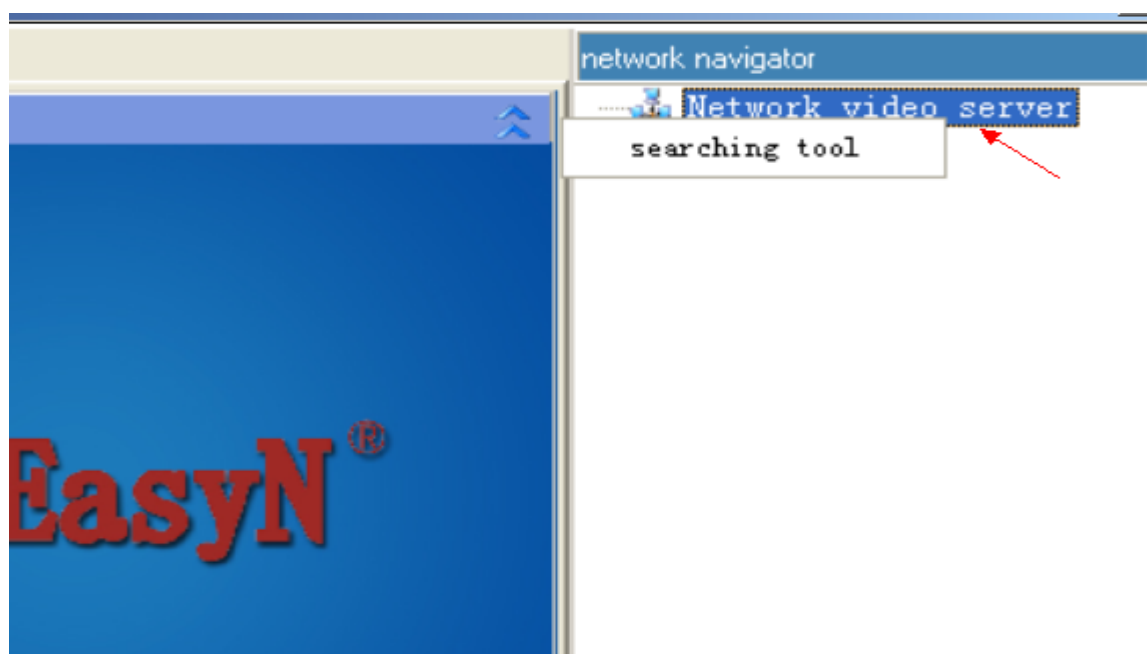


Figure 3



On “NVR-SET” screen, you will see three sub-screens including “**default parameters list**” which shows default parameters of NVR hosts and IP Cameras, “**network camera list**” which shows all the online IP cameras’ IP on current LAN and “**NVR host list**” which shows all the online NVR hosts’ IP on current LAN. As shown in Figure 4:

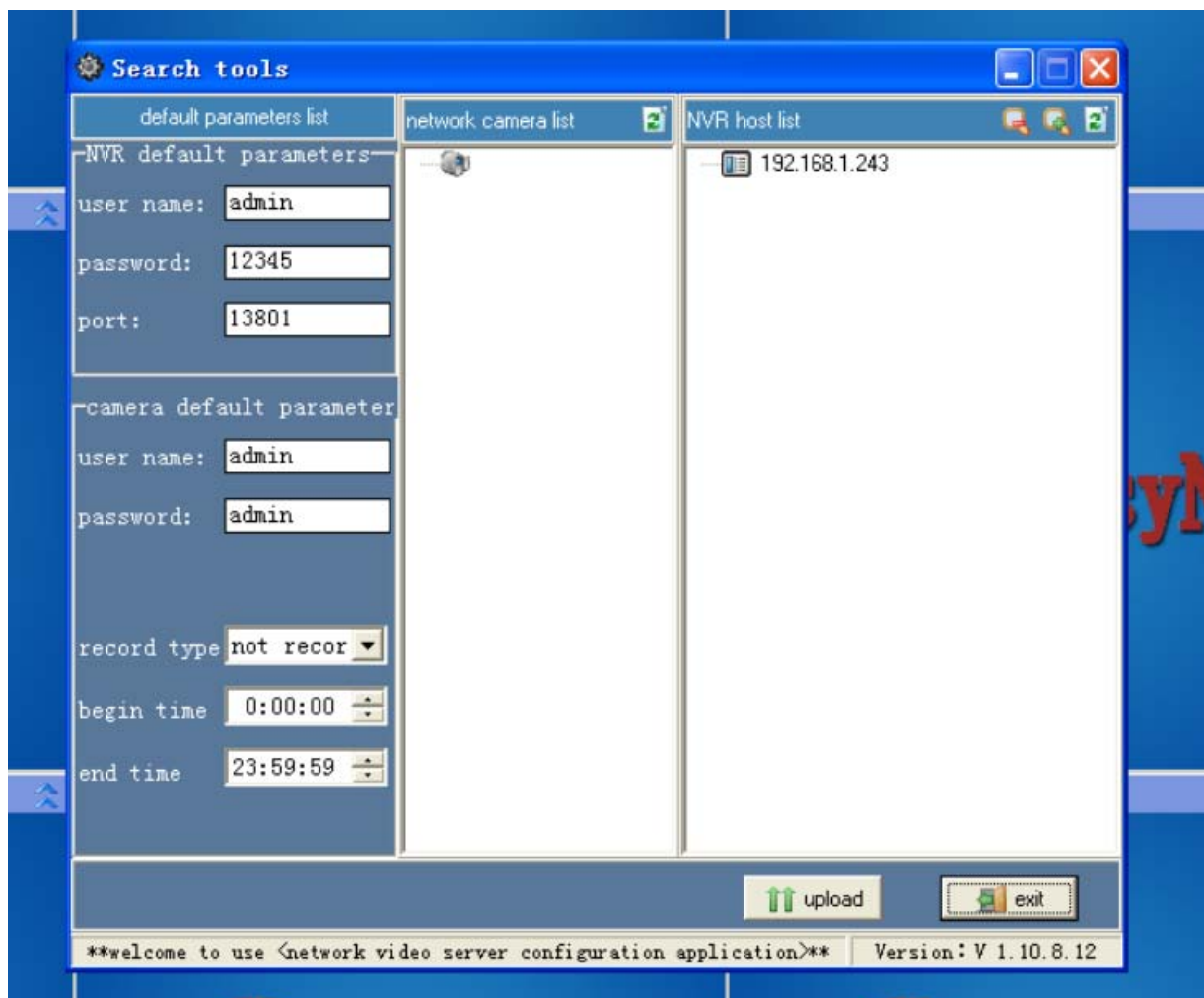


Figure 4

3. Modify IP

1. Modify NVR IP:

Right click "NVR host list" ,chose " parameters settings" , As shown in Figure 5:

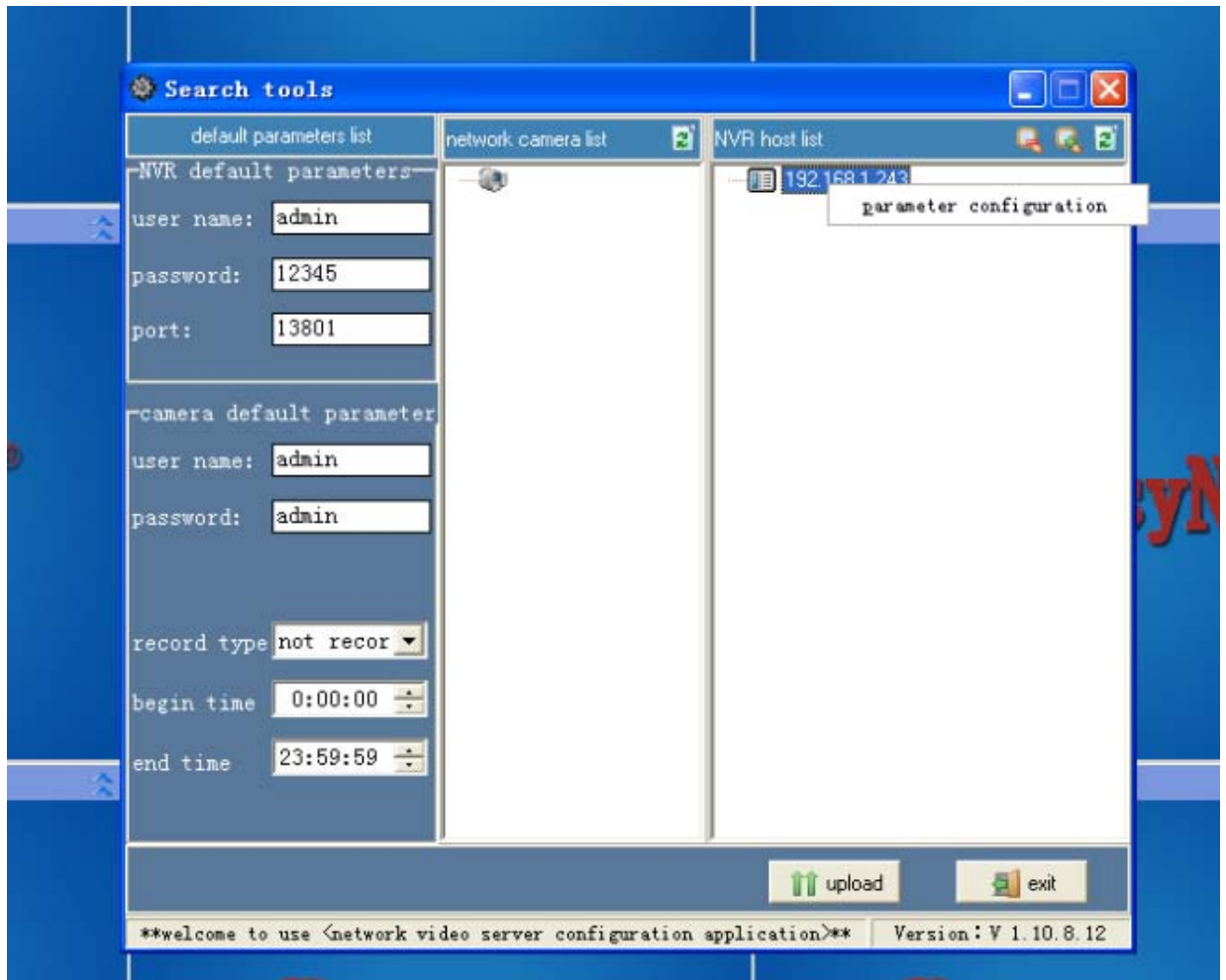


Figure 5:

Chose "NVR search" ---"get NVR",and then in "UDP Network settings" it will show all the IP address of online NVR hosts.Select the NVR IP you will modify, and then will display the current (camera IP/subnet mask/gateway/MAC) on the right, after modify, click "Settings".As shown in Figure 6:

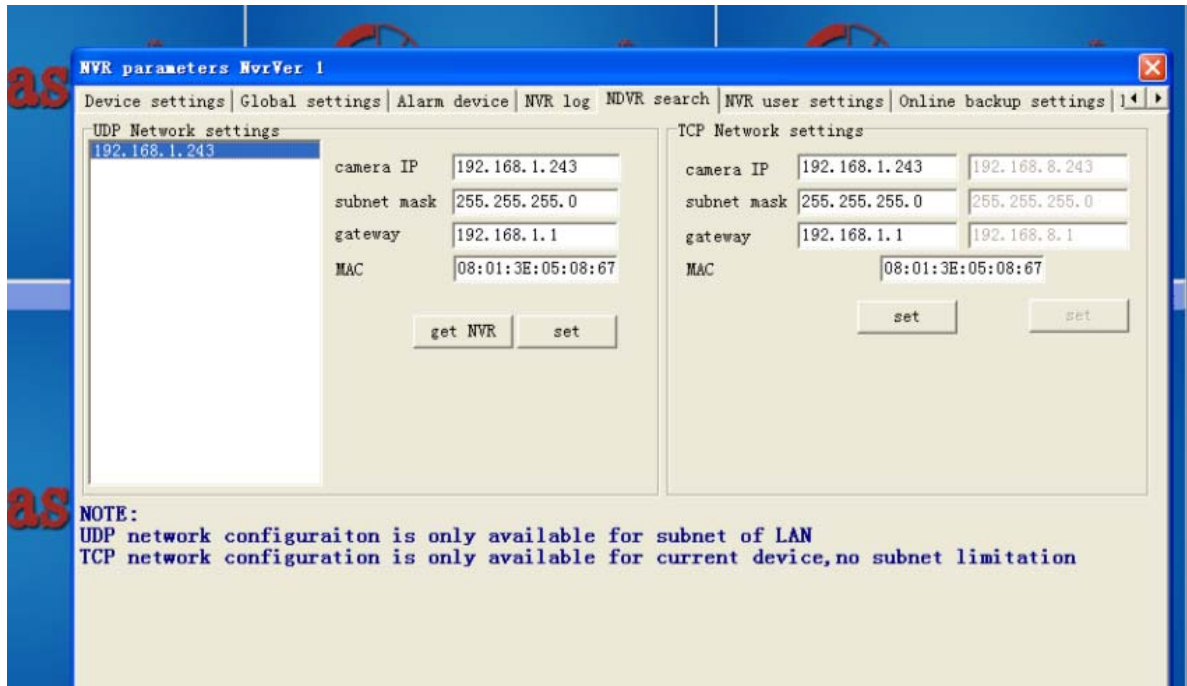


Figure 6

Note:

UDP network setting only use for LAN, does not support across segments use.

TCP network Settings only for this machine setting, no network restrictions.

NVR default IP is 192.168.1.243, you can set your NVR IP,Subnet mask, gateway according to your specific LAN.

4. Add IP Camera

Chose :Device settings" ,click NVR ip address:192.168.1.243,then click "add"

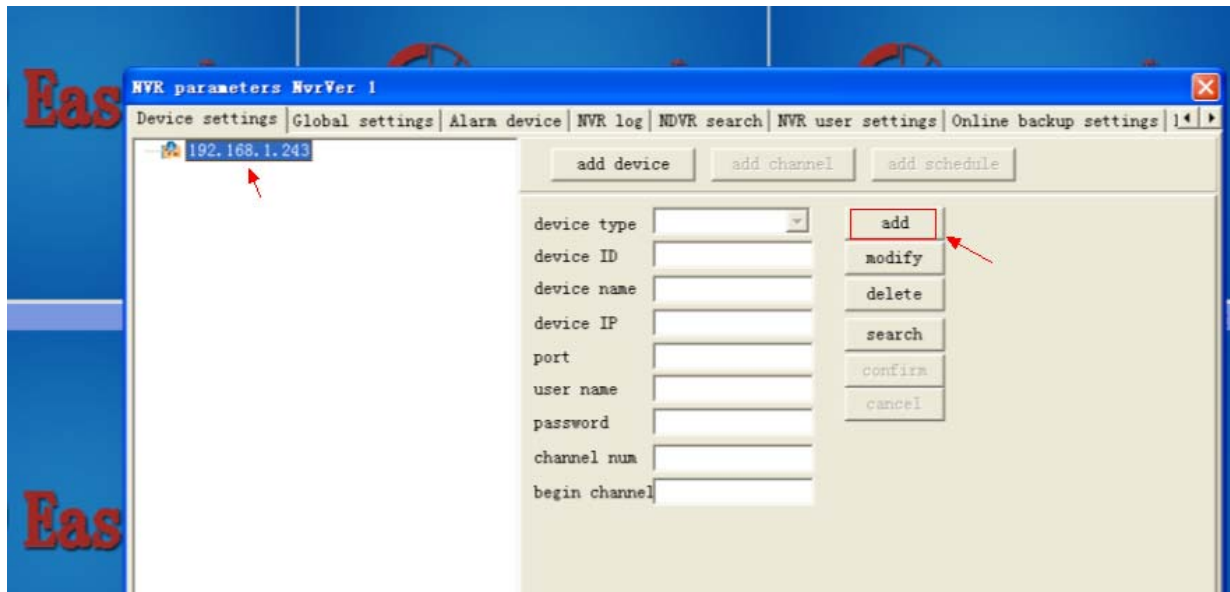


Figure 7

Click on drop-down frame of the device type, select the camera model you want to add. Now can add EasyN H3 and EasyN F2 two series of camera.

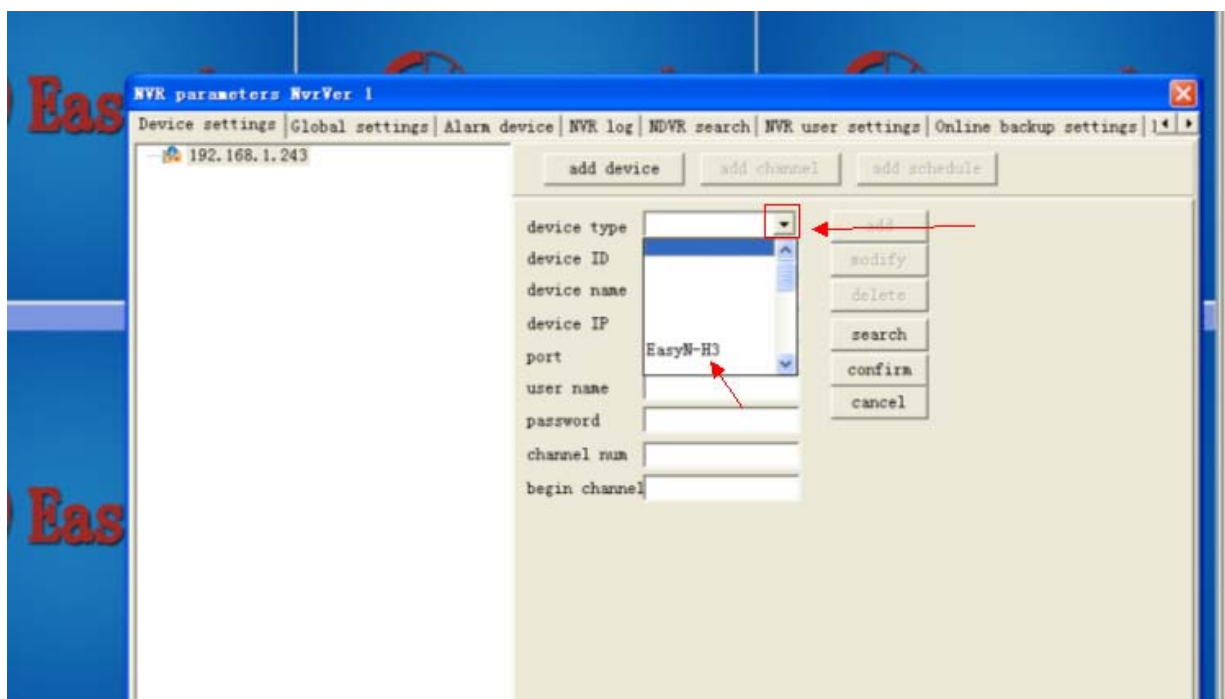


Figure8

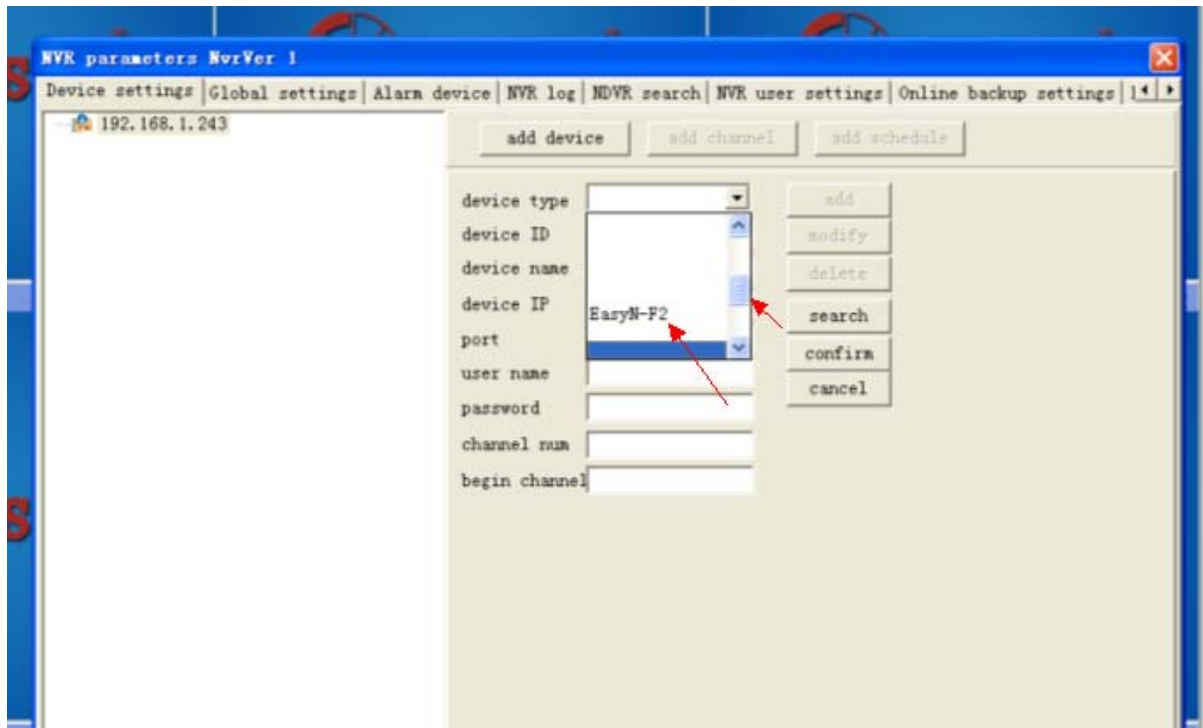


Figure 9

After select EasyN-H3 in the device type , please click "search"button

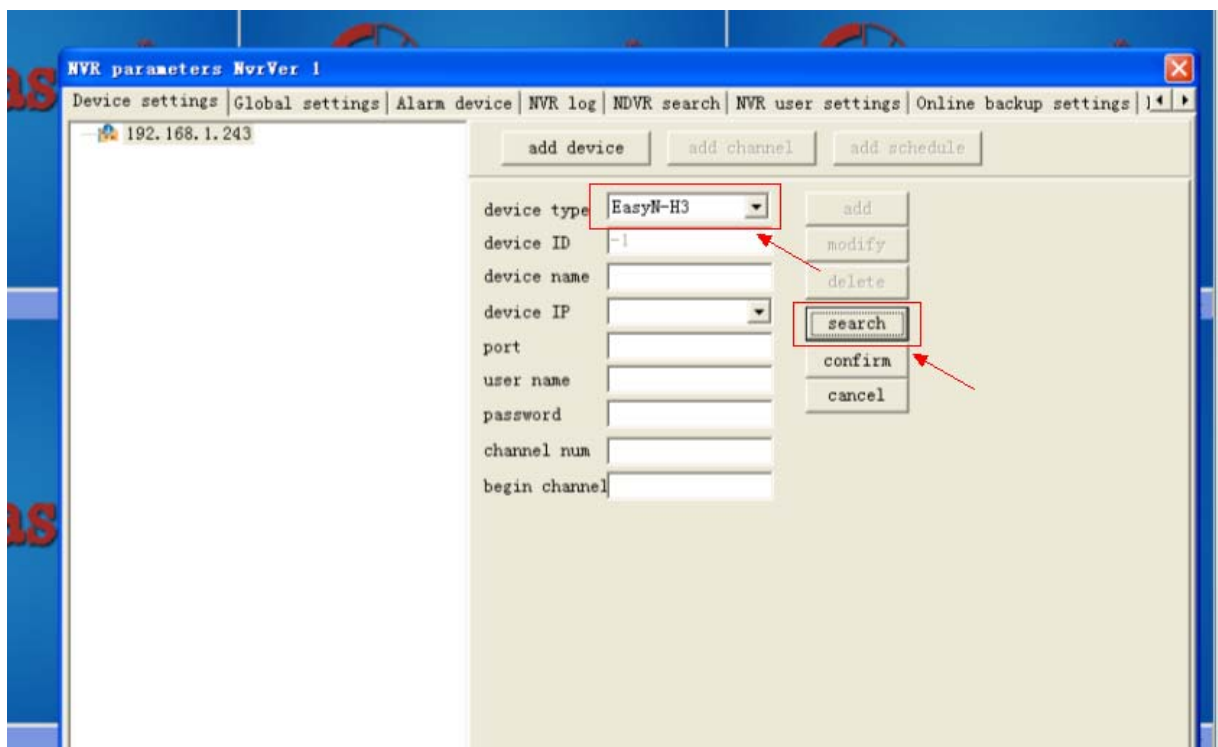


Figure 10

Click drop-down list of device IP ,will display a LAN online EasyN H3 series camera IP address, select one .

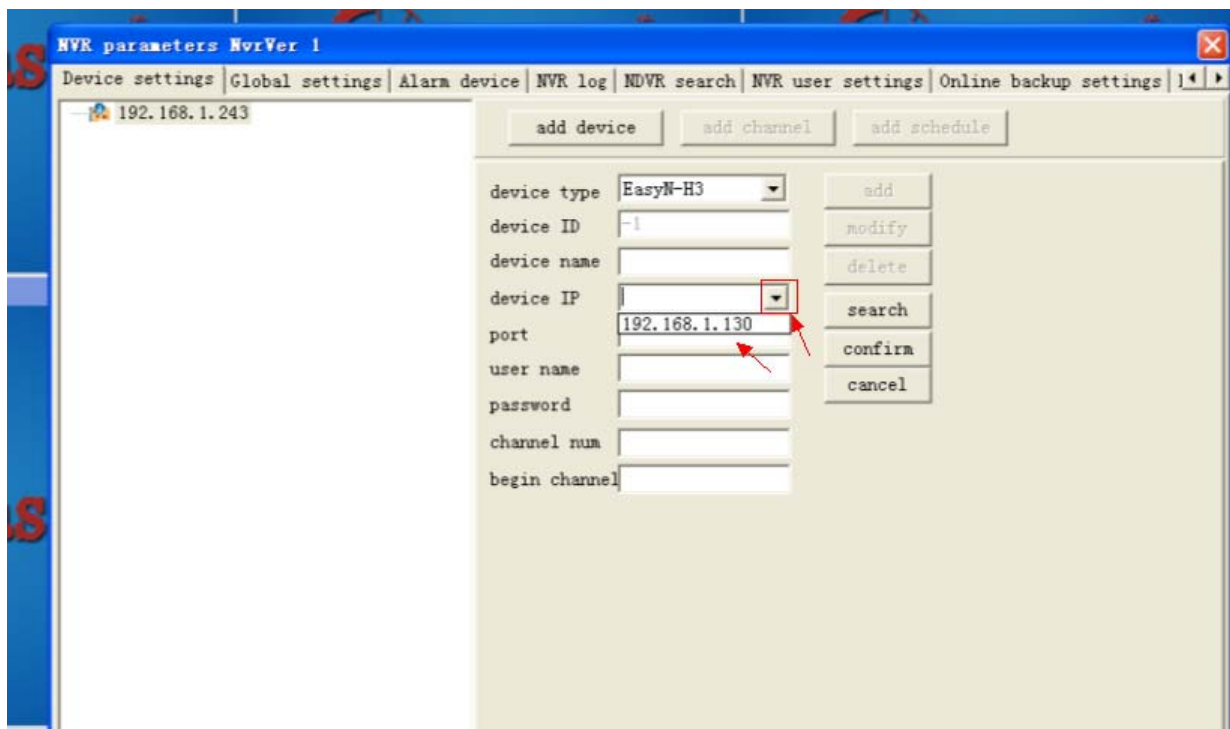


Figure 11

Device name : user-defined

Device IP:you can search it or input it directly

Port: it is the port of your camera , you can find it in the search IP cam software

User name: camera login administrator **account**.

Password:camera login password

Channel number:1

Begin channel :1

After the completion of the input, click "confirm", add success.

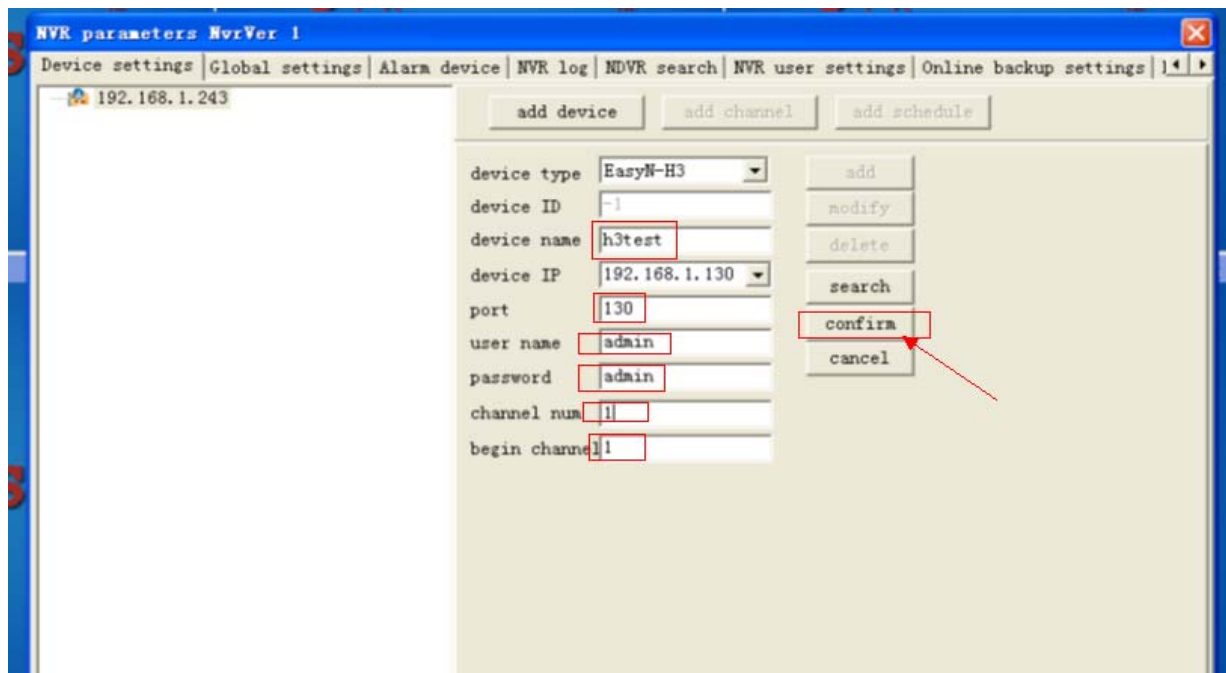


Figure 12

Click "add channel", input 1 into "channel", then click "confirm". Other parameter can be adjust according to the specific condition .

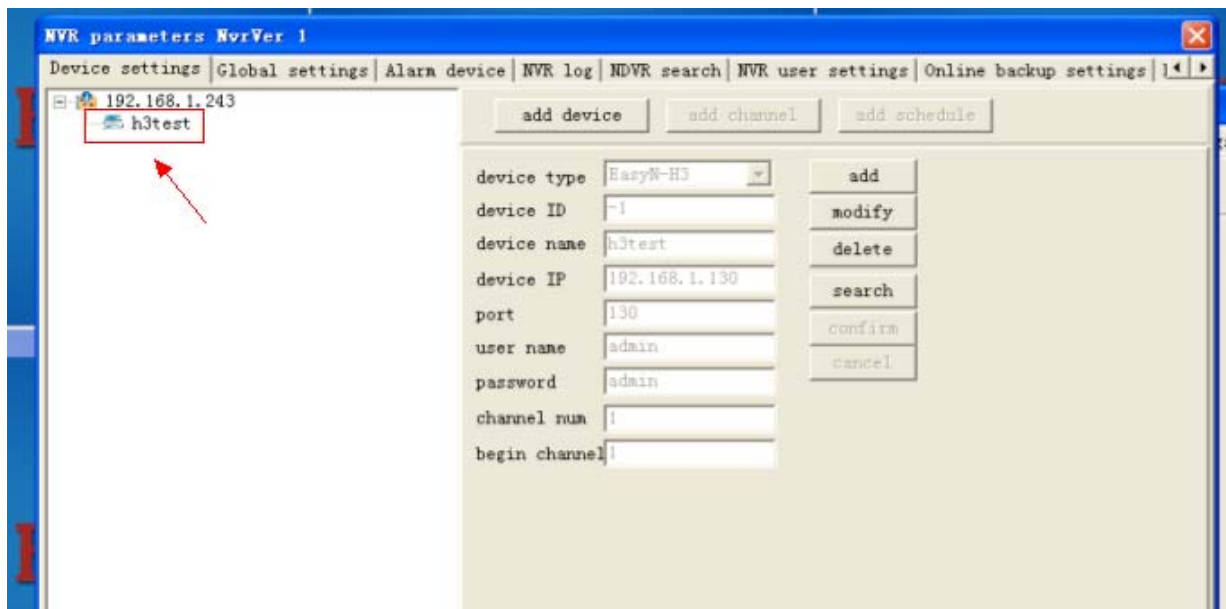


Figure 13

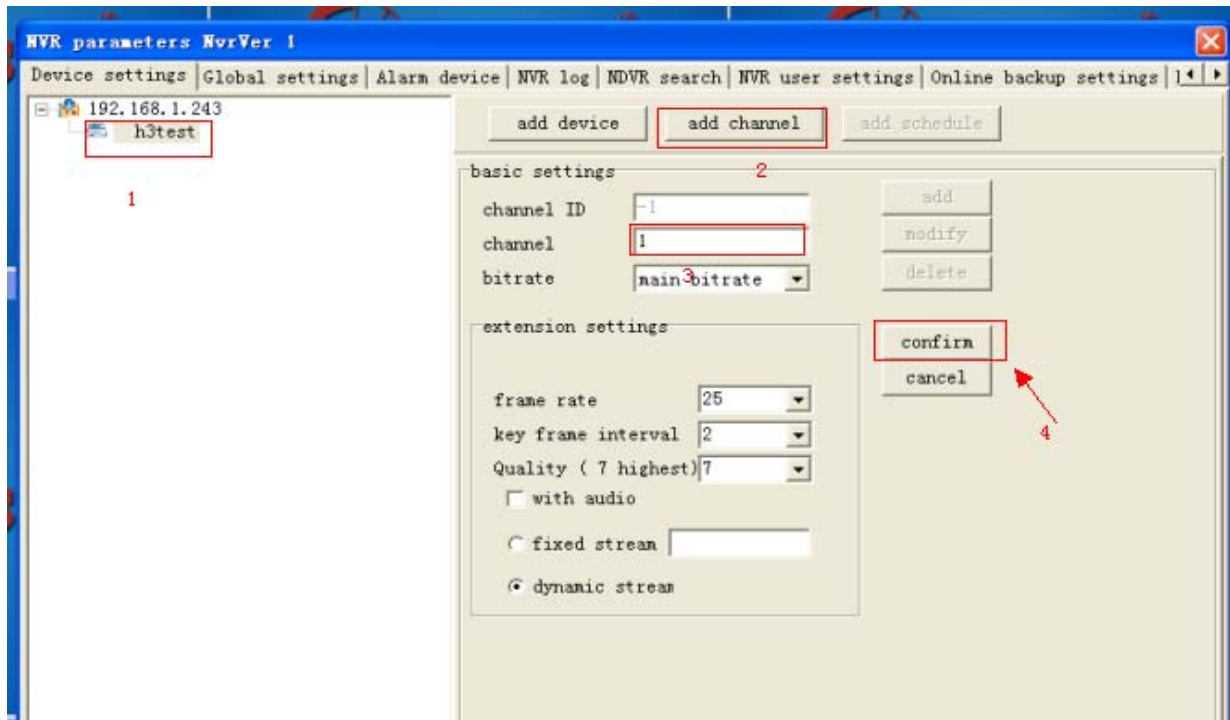


Figure 14

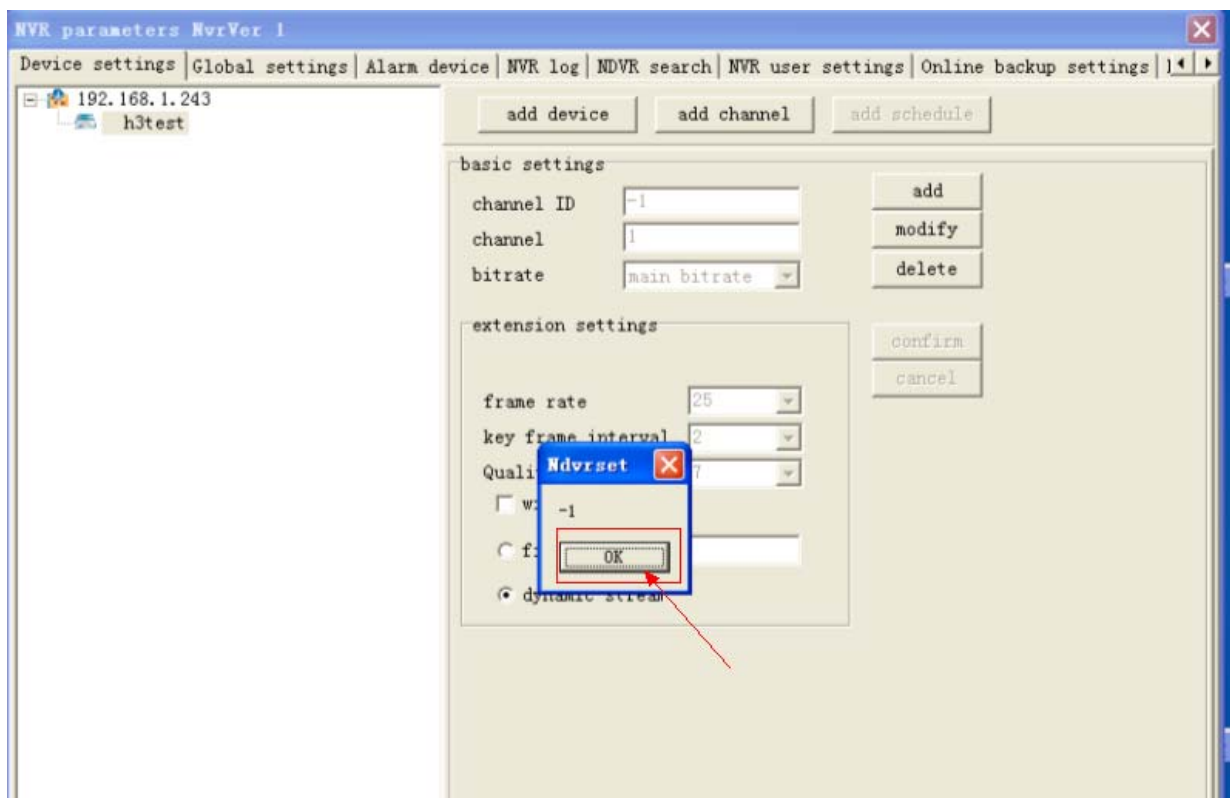


Figure 15

Click "add schedule", in the drop-down list of "video type", select your record requirement, normally, we will select timing record.

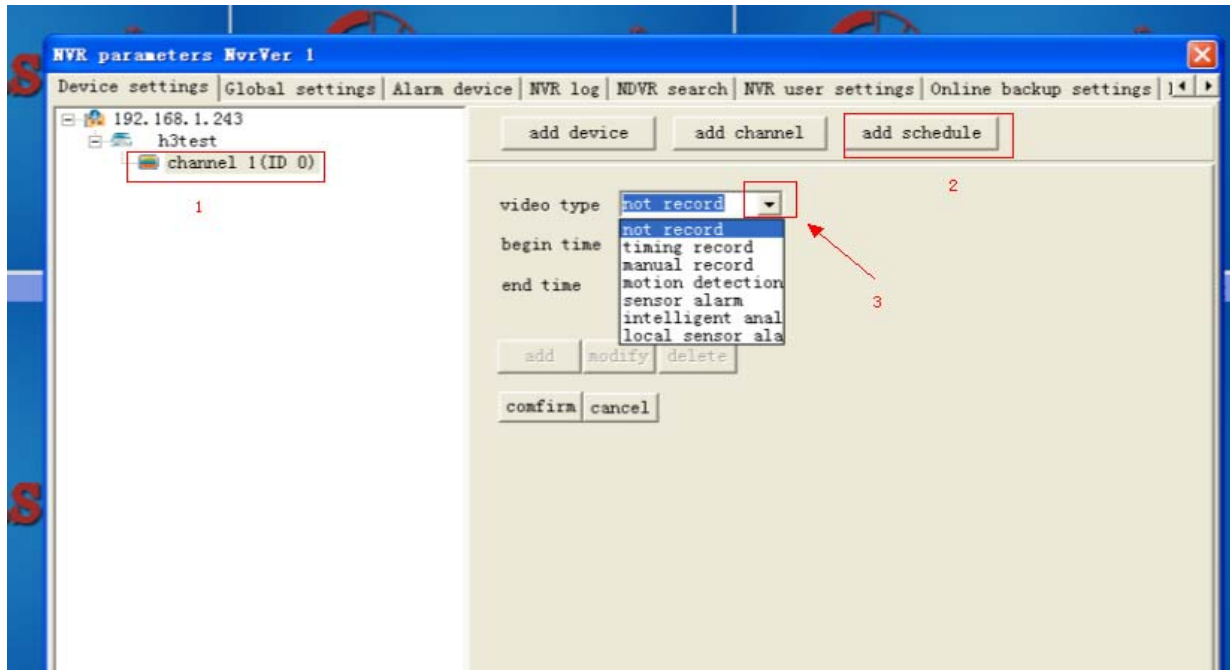


Figure 16

Select begin time and end time , then click "confirm".

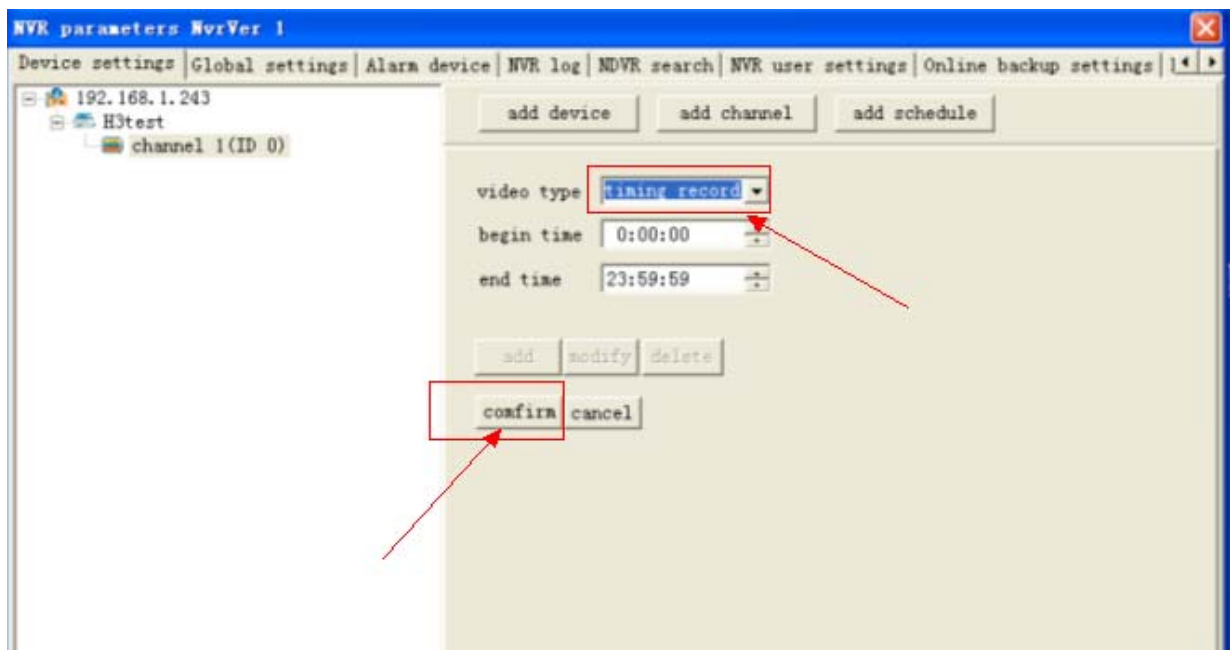
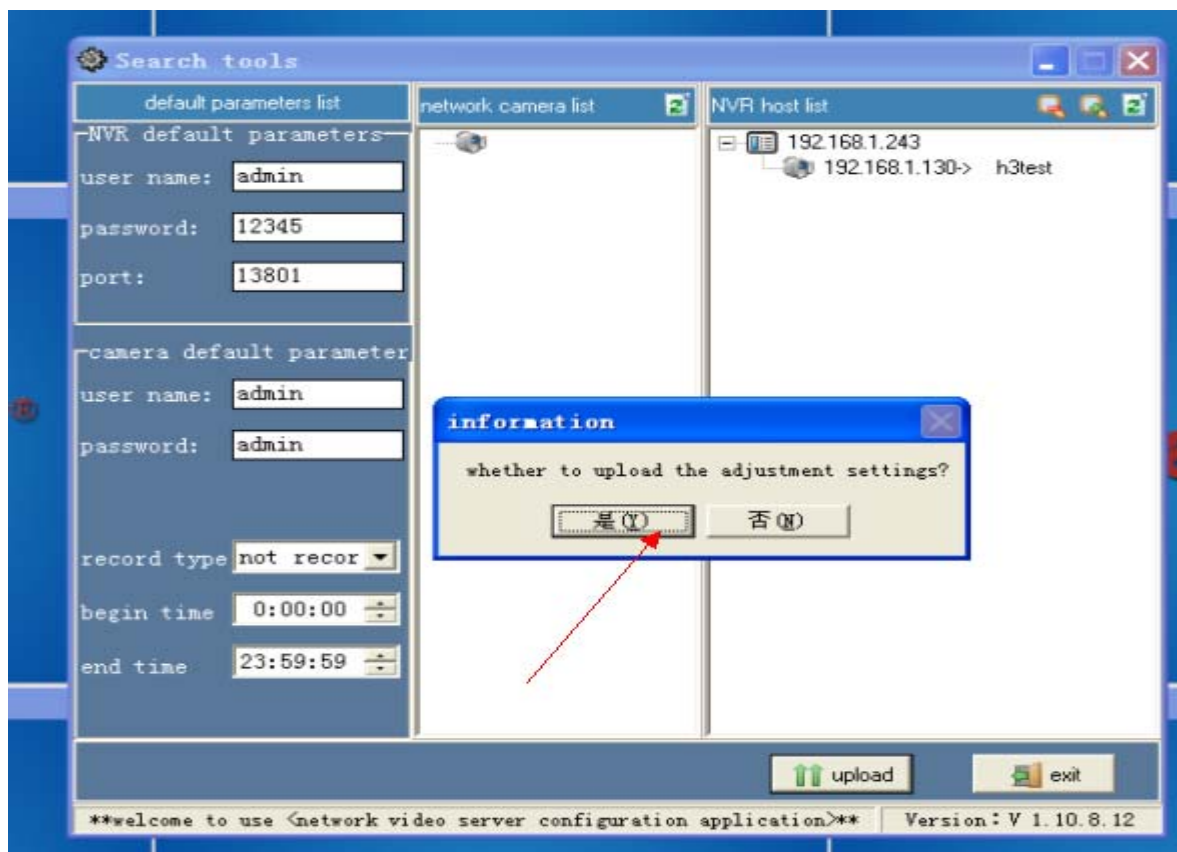
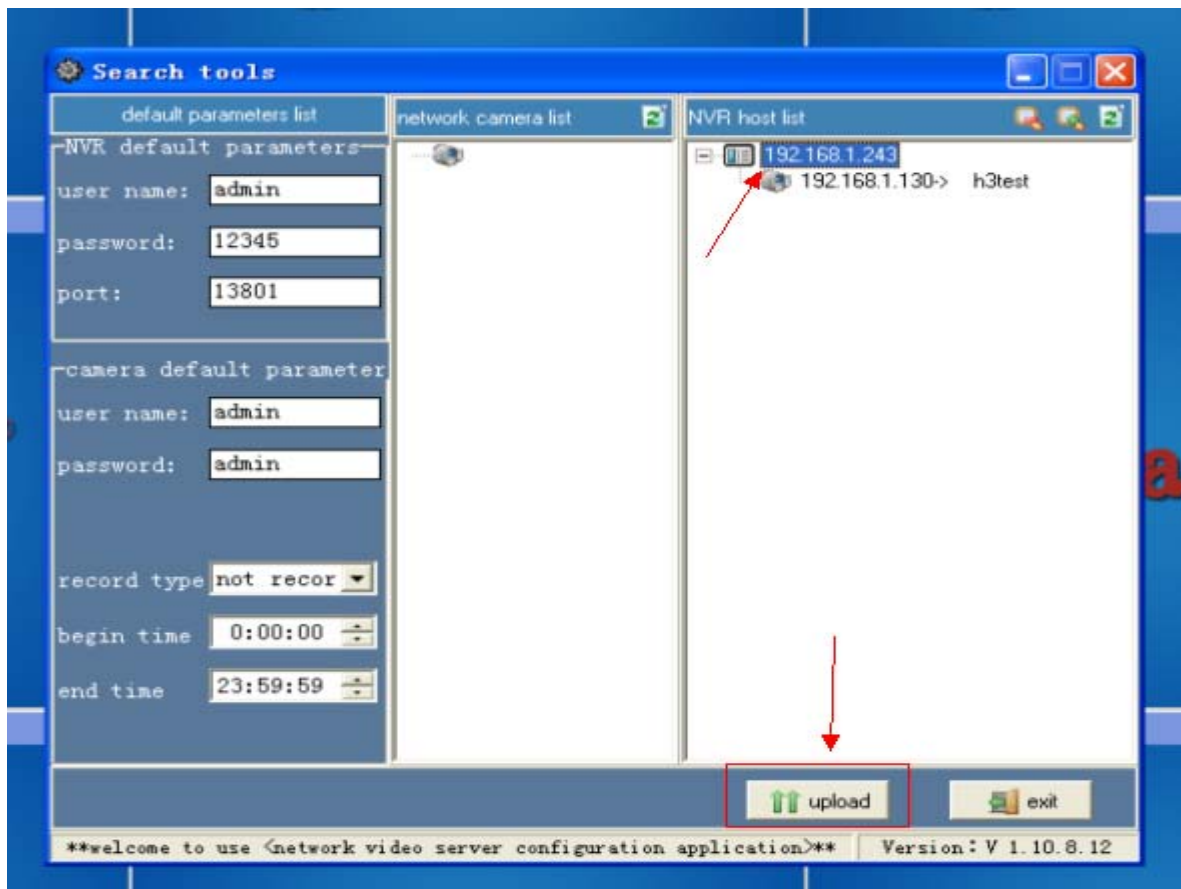
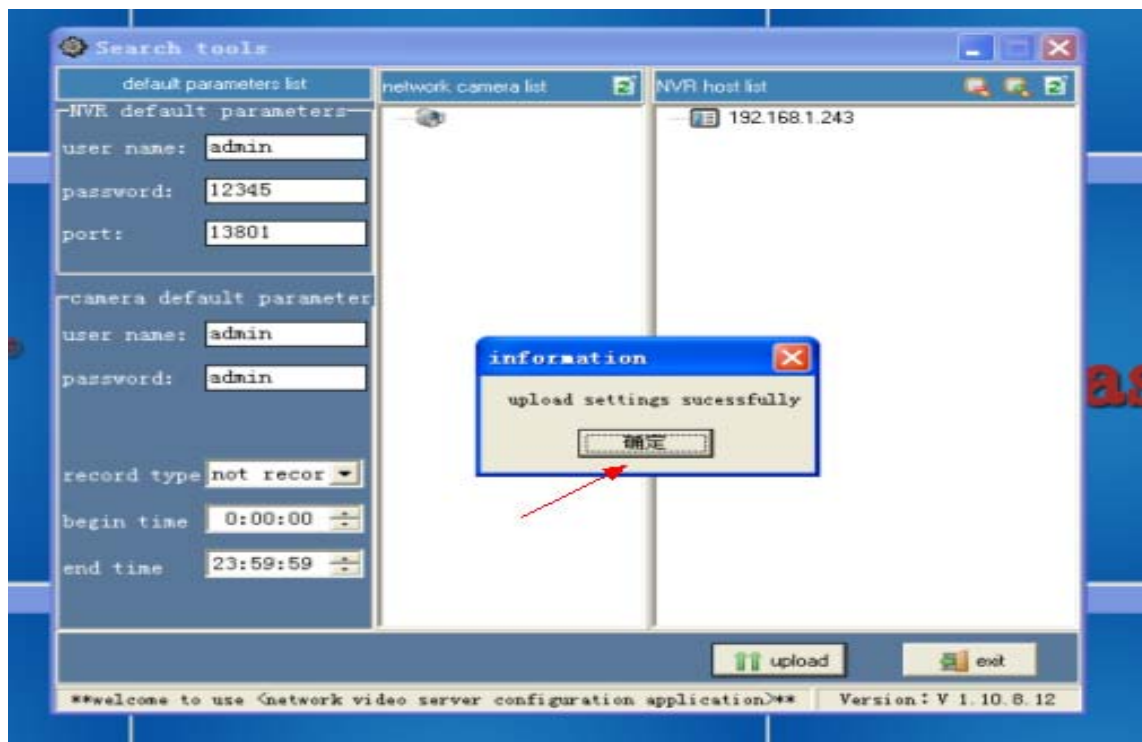


Figure 17

Successful add a camera after doing "add device" "add channel" "add schedule" three steps.





5. Add "NVR Host"

Click “**navigation**” --- right click “**Network video server**” --- click “**add network video server**”, and then input the following parameters in “**Nvr information**” according to the following instruction:

“**device name**”: you can input any name as you want

“**device type**”: NVR

“**device IP**”: input the IP of the NVR host you will add

“**login port**”: 13801

“**user name**”: admin

“**password**”: 12345

“**download port**”: 13800

After input those parameters, click “**login device**” --- “**get parameter**” --- “**upload**”.



After successfully uploading, click the “**logout**” in the main interface, and then login again. When you successfully login, you can see both the NVR and IP cameras you have added just now in “**Network video server**”.

As the following picture shown :

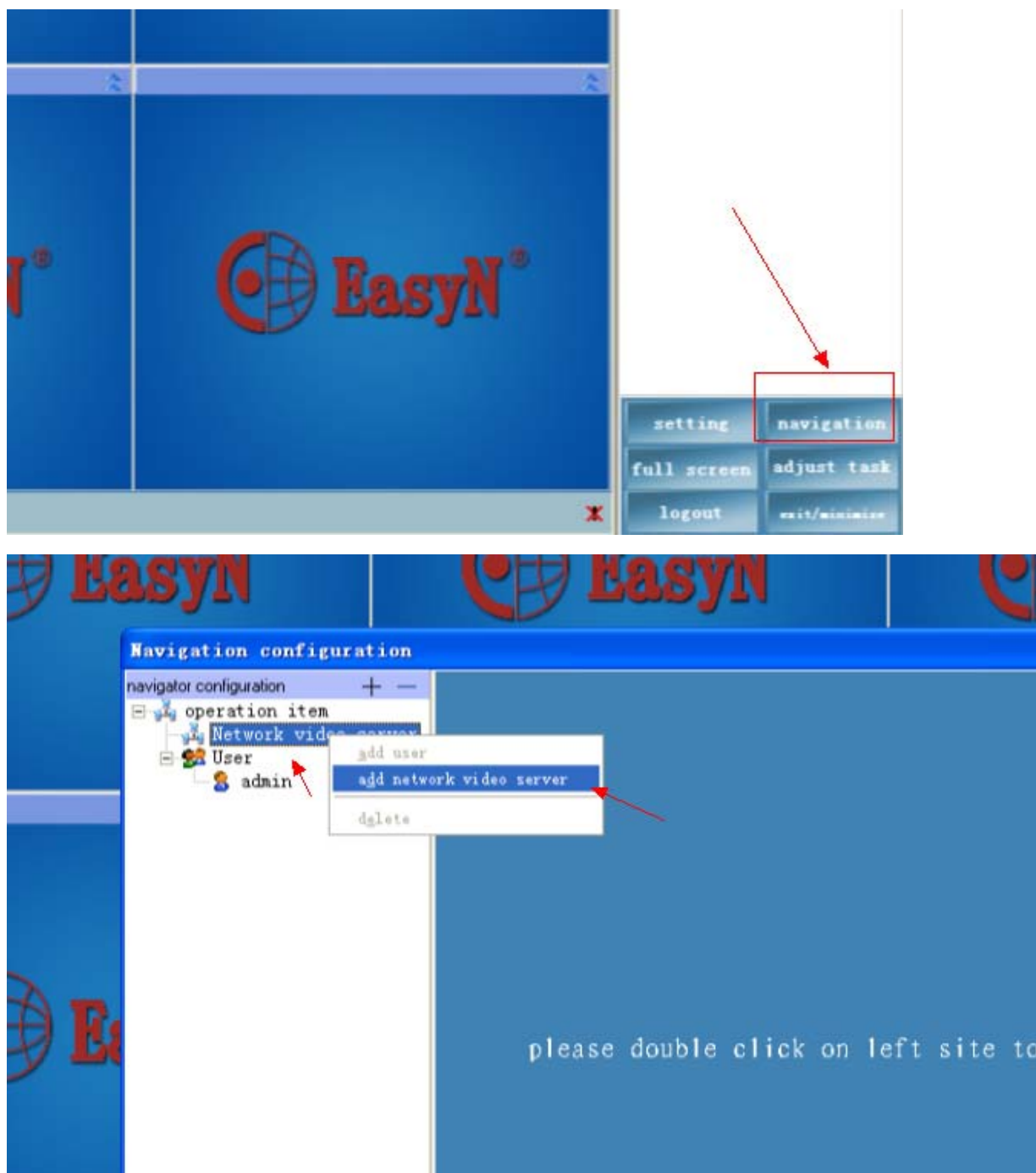


Figure 18

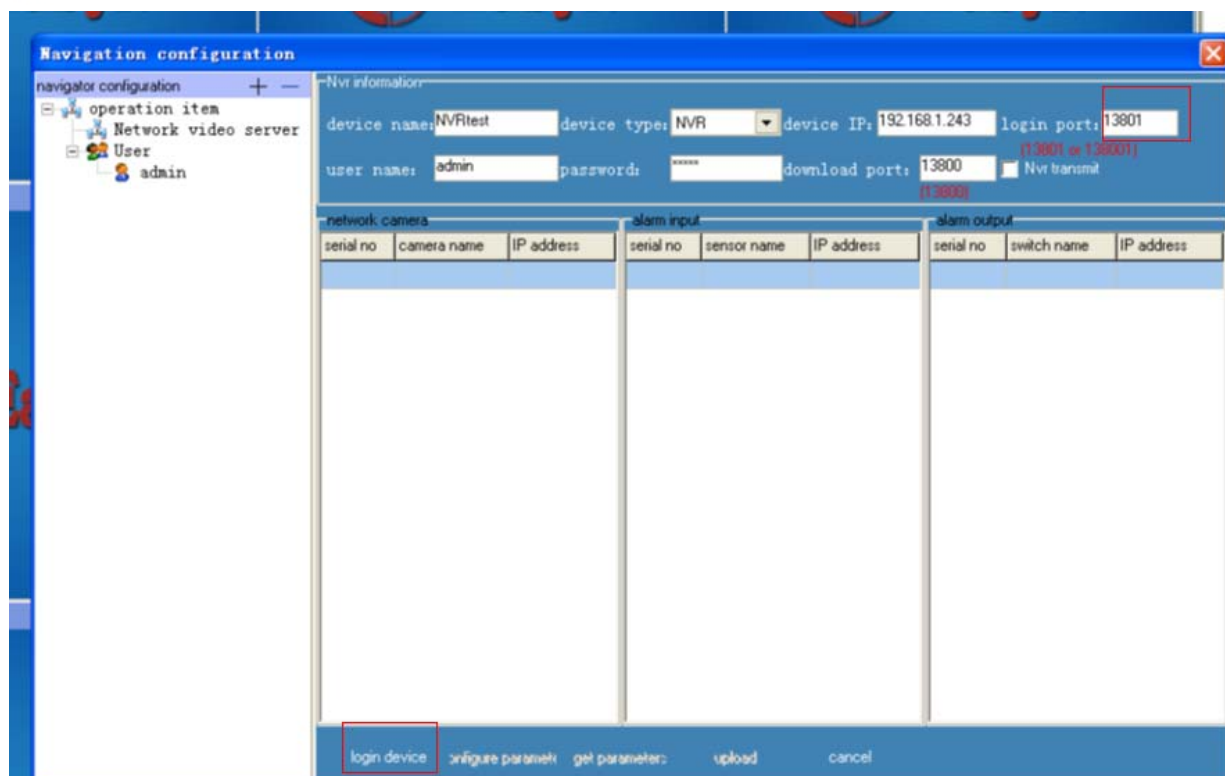


Figure 19

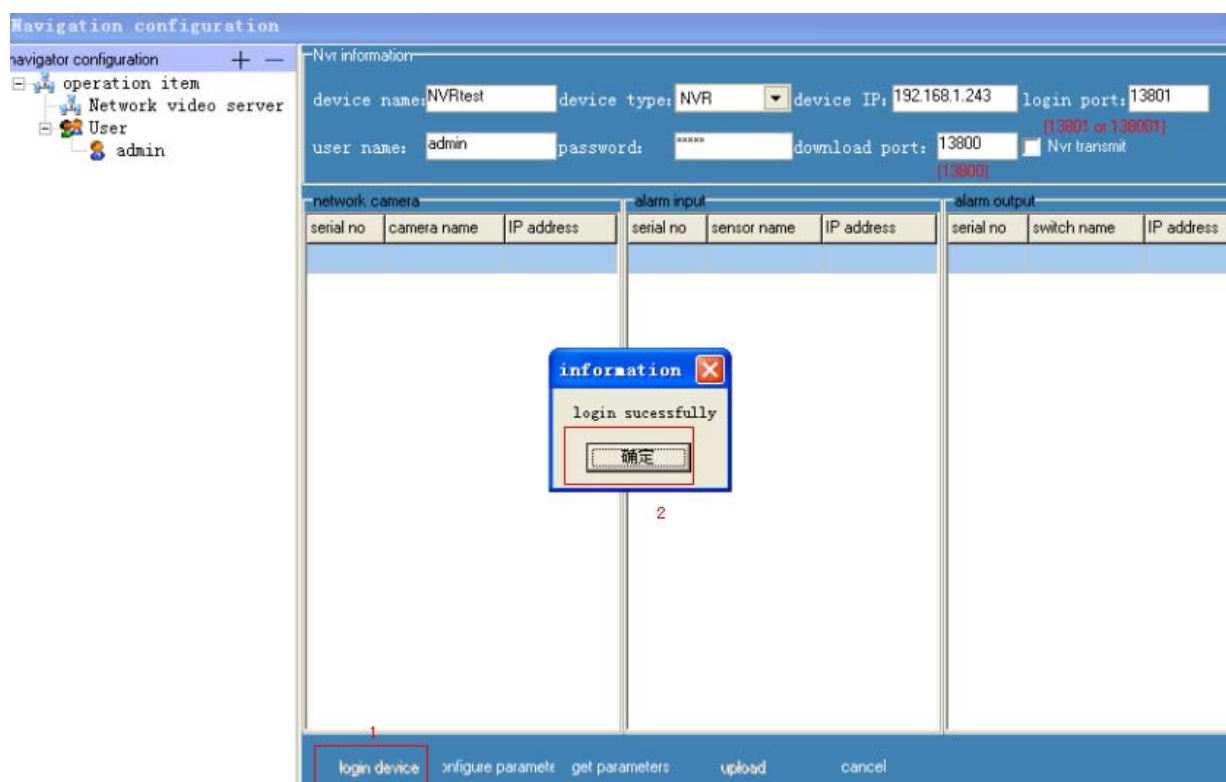


Figure 20

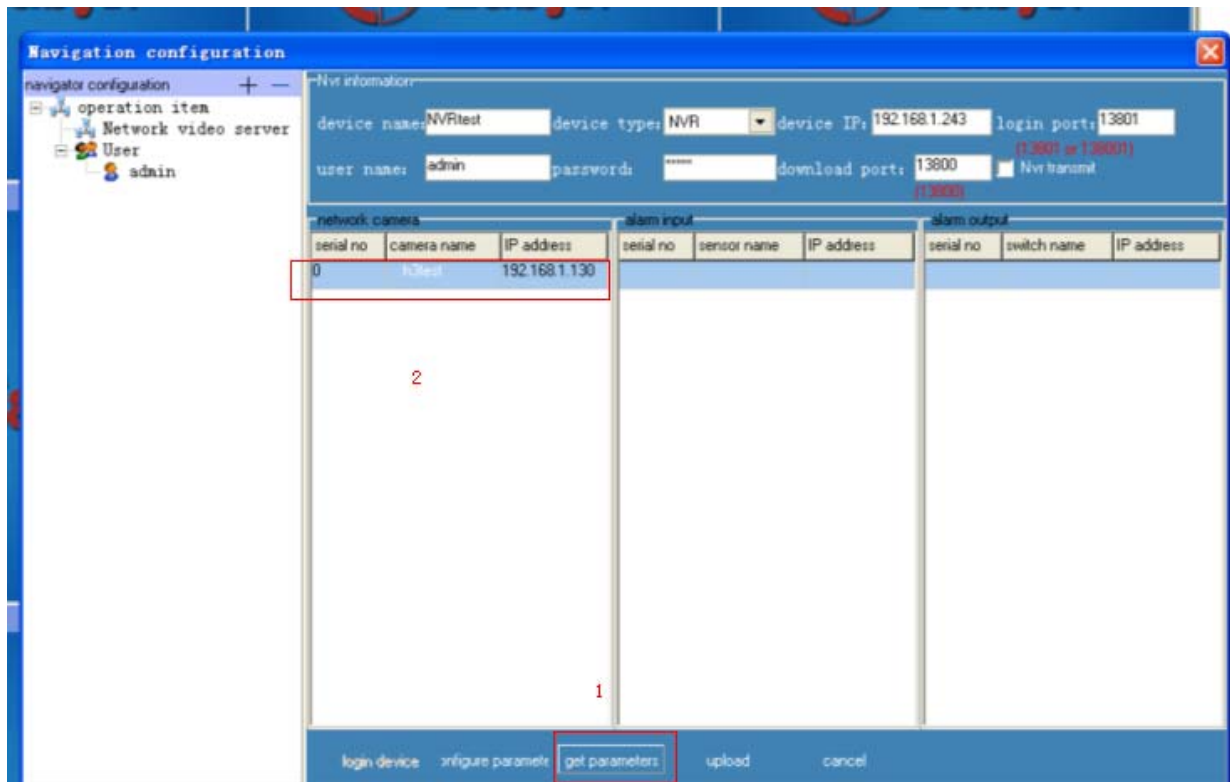


Figure 21

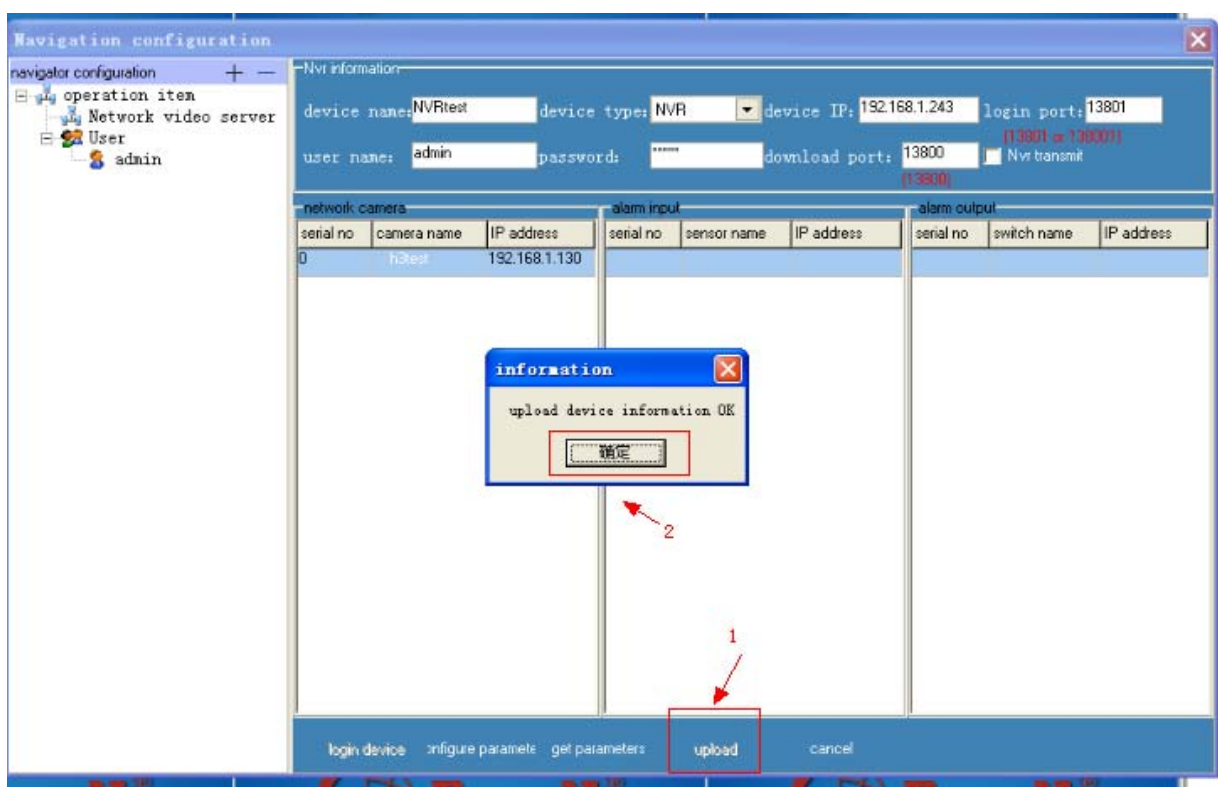


Figure 22

Return to main screen, under network video server that is the information of NVR and camera.

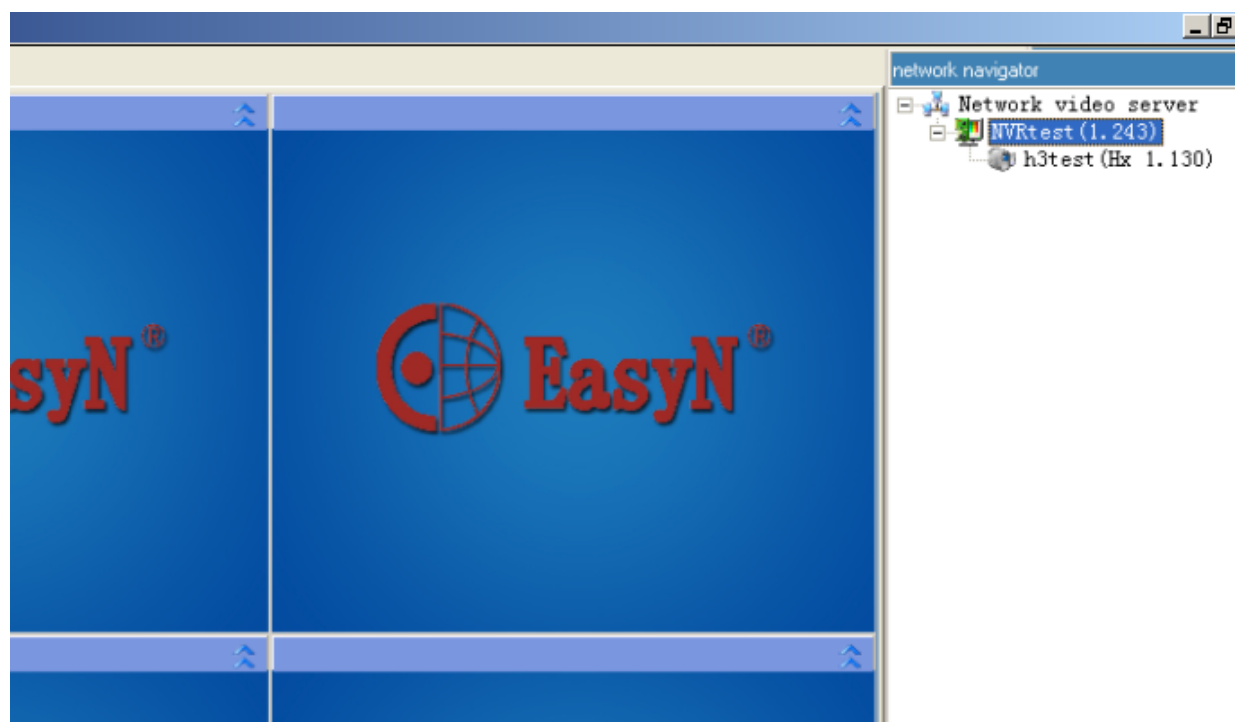


Figure 23

Hold the left button of your mouse, drag camera name (like H3 test) to the needed window, as following :



Figure24

6. Harddisk Management

Click “**Disk management** ----- click “**format**” to format selected hard disk (The maximum capacity of each hard disk is 2TB). As shown in Figure 25:

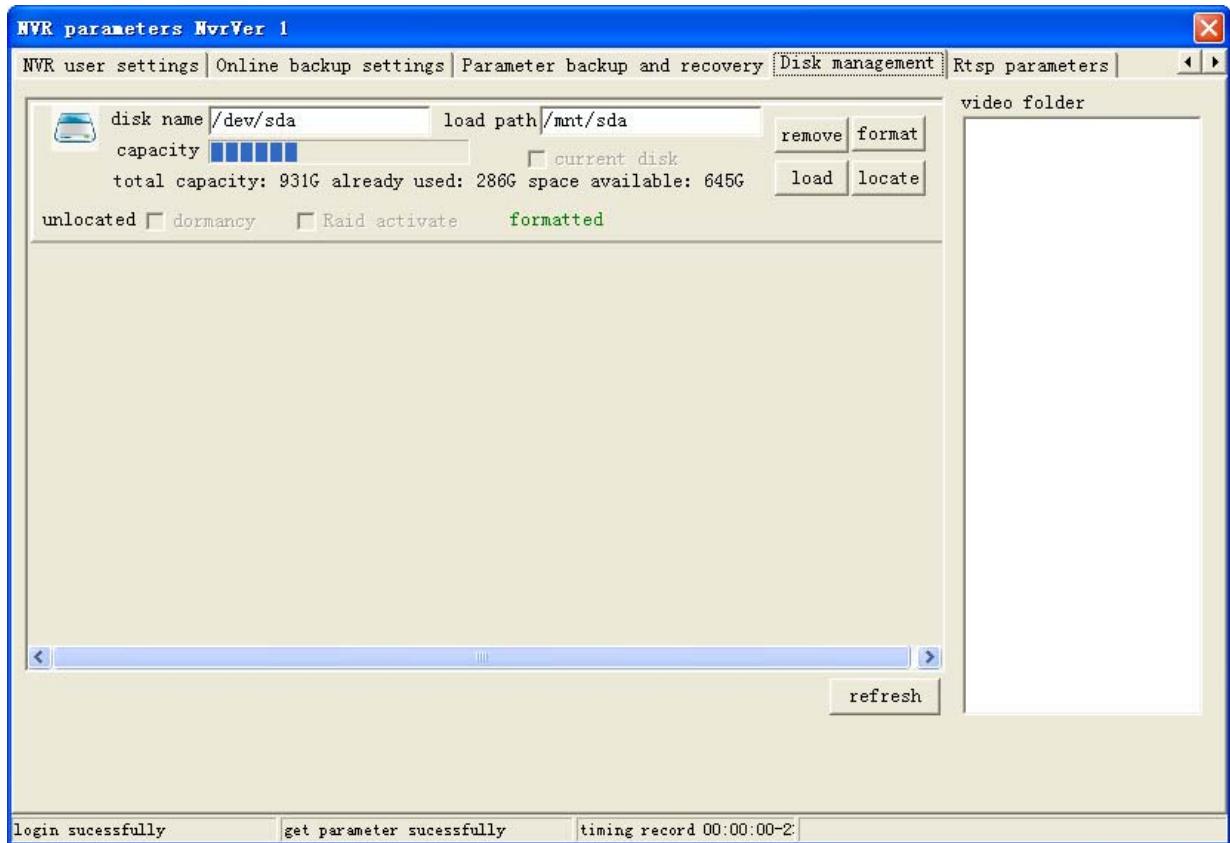


Figure 25

7. Search for NVR Log

Click “**NVR log**”, select and click the date you will review, select and check one log type (“**alarm log**” / “**operation**” / “**error log**”) you will review, and then click “**get**” to review the log details. As shown in Figure 26:

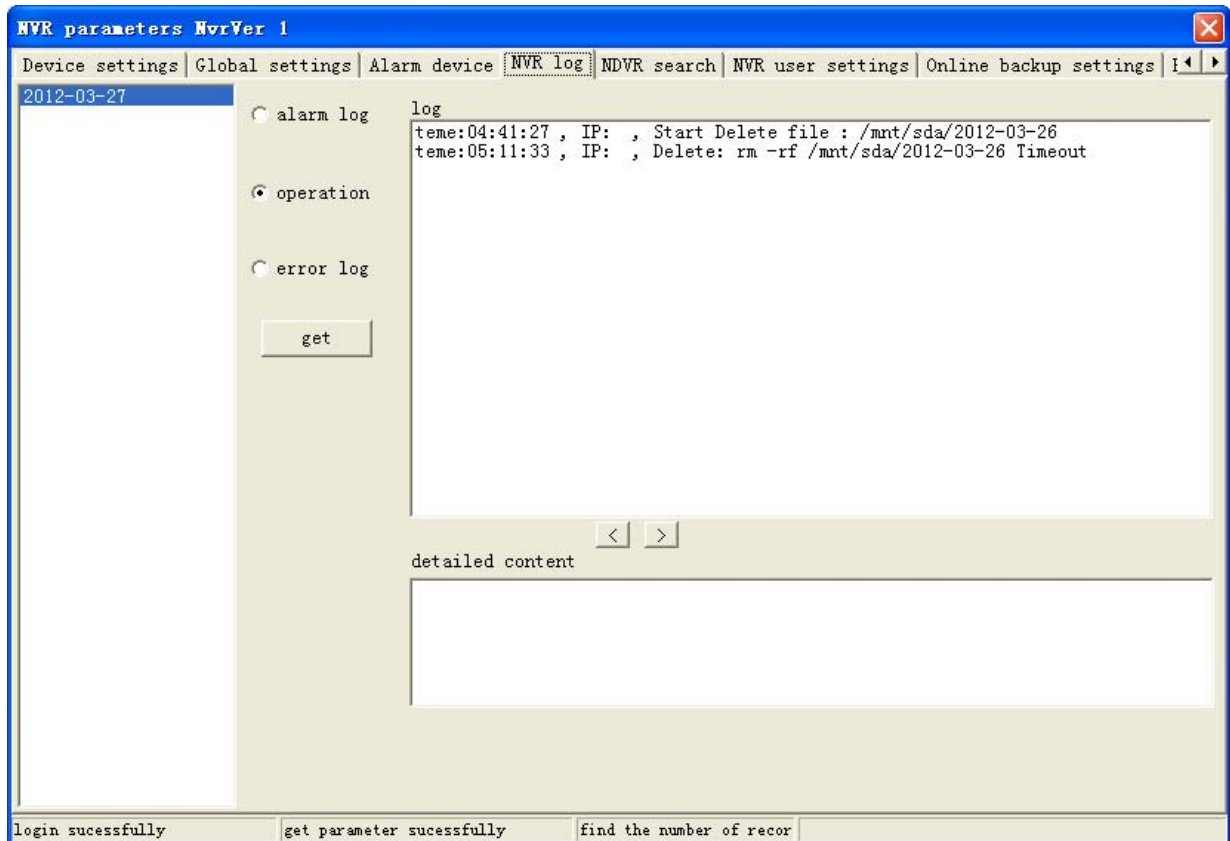


Figure 26

8. Online Backup

Click “**Online backup settings**” --- “**add**”, input NVR IP you will backup in “**backup NVRIP**”, and then click “**confirm**”. As shown in Figure 27:

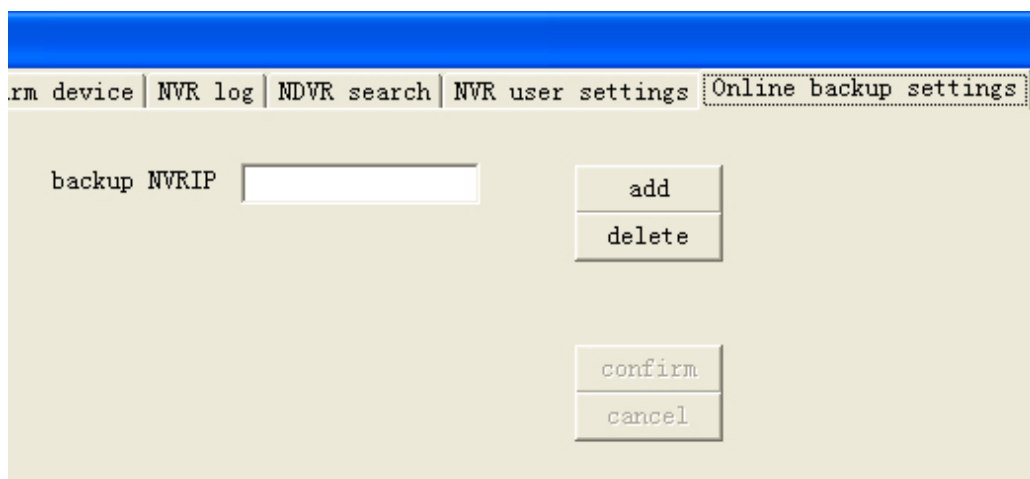


Figure 27

9. User and User Rights Settings

1. Add User:

Right click “User”, click “**add user**” and input parameters in “**user name**” and “**password**” and then click “**save**”. As shown in Figure28:

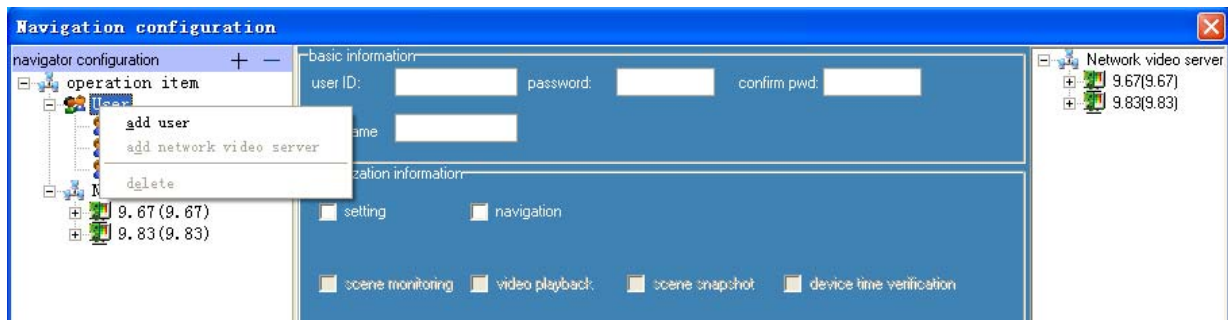


Figure 28

2. User Rights Settings:

As shown in Figure 28, under the “**authorization information**”, the rights of “**setting**” / “**navigation**” are for users, while the rights of “**scene monitoring**”/ “**video playback**” / “**scene snapshot**” / “**device time verification**” are for the devices (which means for NVR hosts and IP cameras).

10. Video Playback

Select the camera you will playback under “**Network video server**”, right click it, move your mouse to “**playback**”, and then click “**fast playback**” / “**normal playback**” as you need, and then select playback time,

As shown in Figure 29:

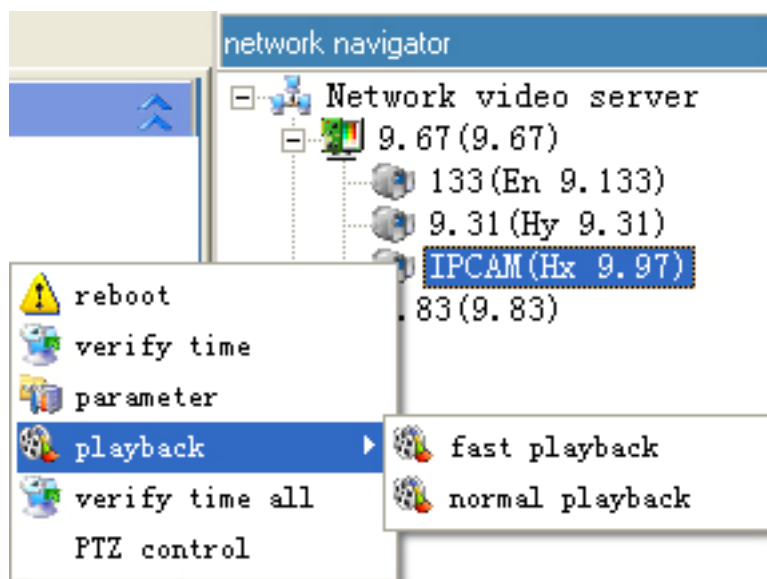


Figure 29

11. Alarm Settings / Streaming Media Settings

1. Alarm Settings:

Click “**setting**” --- “**Alarm setting**” --- select “**alarm type**” --- select “**processing mode**” --- click “**receive alarm**” to complete setting. As shown in Figure 30:

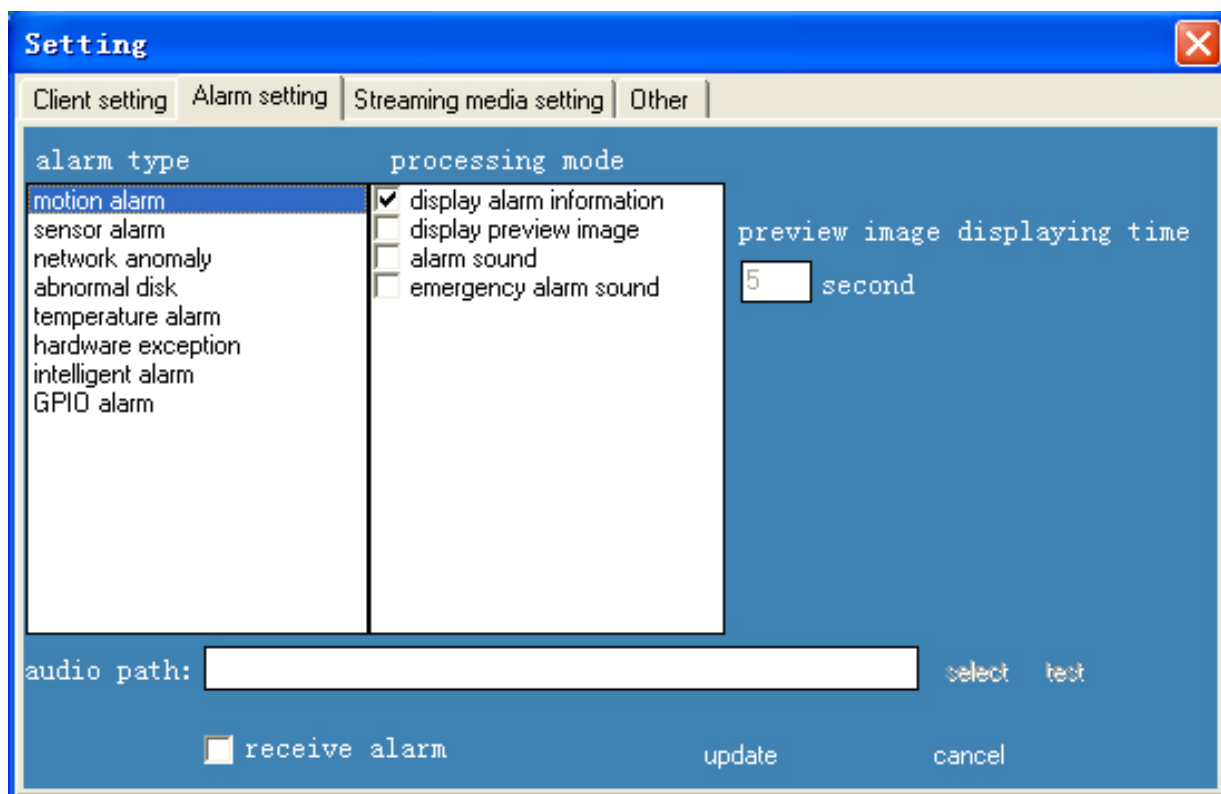


Figure 30

2. Streaming Media Settings:

Click “**setting**” --- “**Streaming media setting**” --- check “**enable local streaming media setting**” --- input the NVR’s IP address in “**streaming media IP**”--- input “12000” in “**port**” --- click “**update**” to complete setting. As shown in Figure 31:

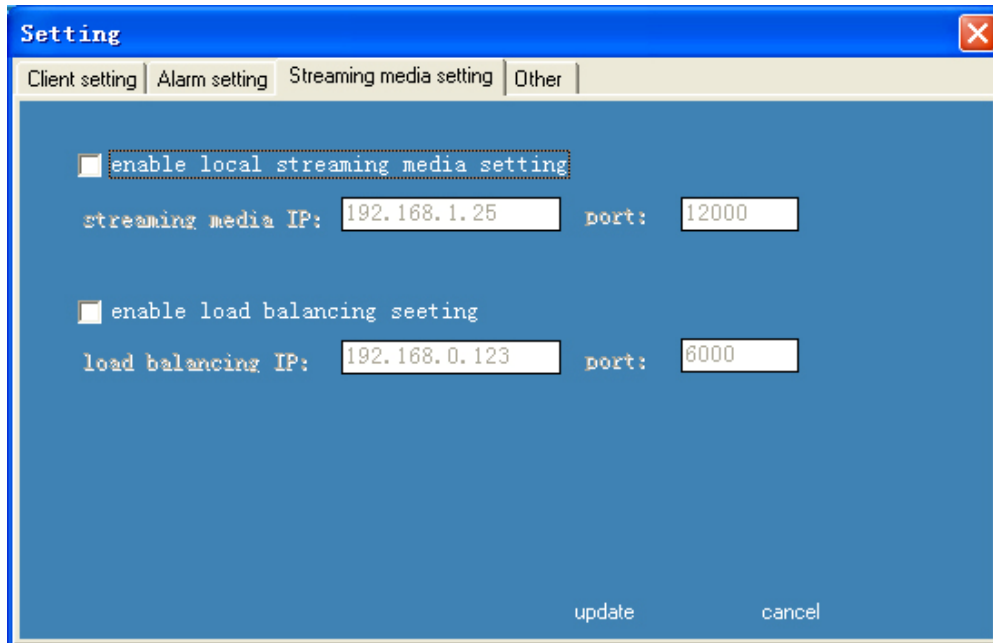


Figure 31

3,Audio/OSD:The operation method is similar to 1 .

12. Monitor View (1, 4, 9, 16 view layout, save view, get view and select task)

1. Select the cameras you will monitor in “**network navigator**”--- drag it to preview windows. You can select and click different view layout including “**single view**”, “**4-view**”, “**9-view**”, and “**16-view**”.You can click “**save view**” to save the current view layout, “**get view**” to get the saved view layout, and “**select task**” to start the task you have just adjusted. As shown in Figure 32:

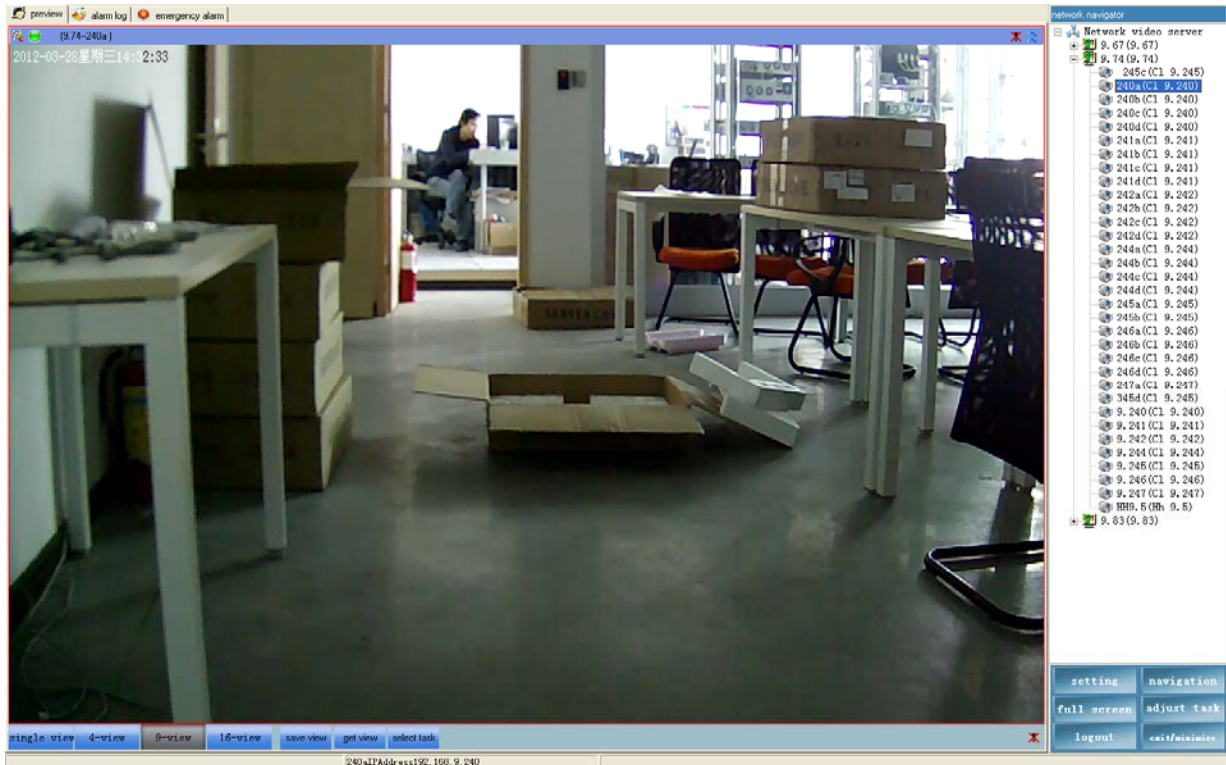


Figure 32

2. Select the NVR you will monitor in “**network navigator**” and right click it --- click “**monitor all cameras**” to monitor all the cameras connected on that NVR. As shown in Figure 33:

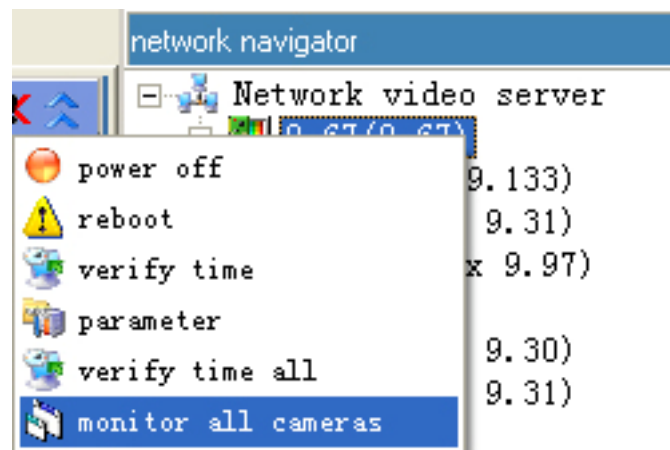


Figure 33

13. Power off / Reboot / Verify time

Right click the NVR you will set under “**Network video server**”, and then you can click “**power off**”, “**reboot**” and “**verify time**” as you need. As shown in Figure 34:

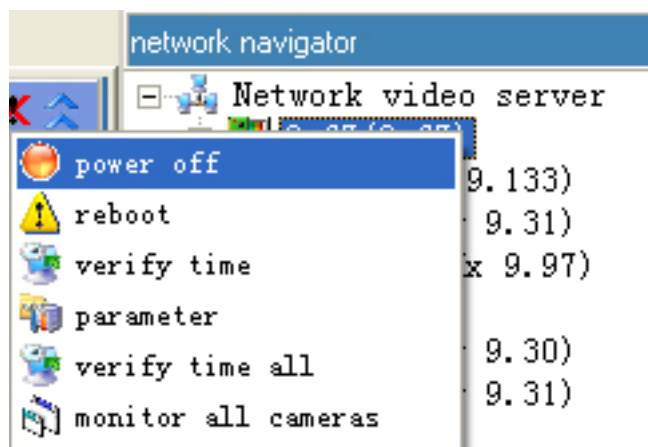



Figure 34

14. NVR Parameter Backup and Recovery

Right click the NVR you will backup in “**Network video server**” --- click “**parameter**” --- click the icon “” to find “**Parameter backup and recovery**” and click it to backup or recover. (Only when the NVR host and the hard disk are in normal operation status can this function be applied.) As shown in Figure 35:

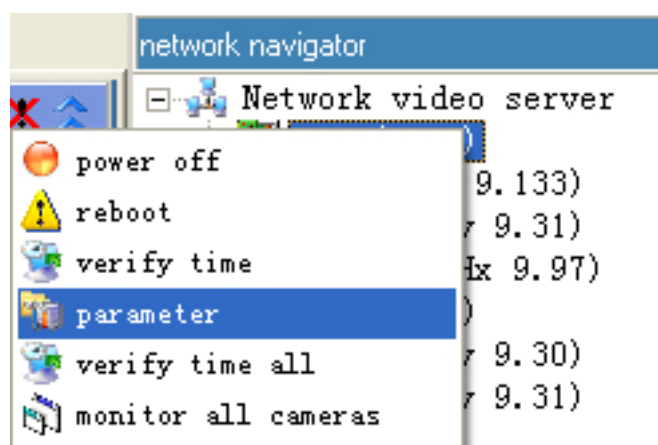


Figure 35

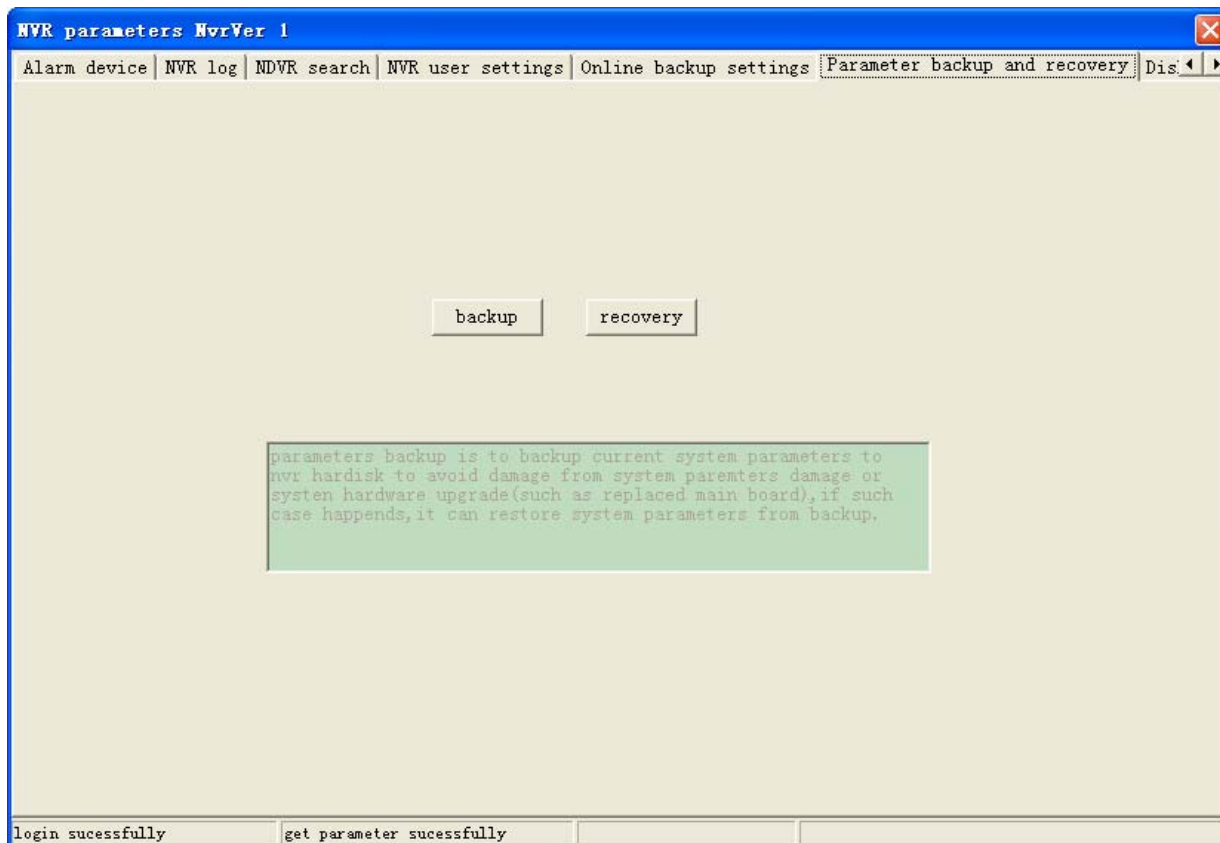


Figure 36

15. NVR Transmit

1. Click “**navigation**” --- Double click the NVR you will transmit --- check “**Nvr transmit**” in “**Nvr information**” to complete. As shown in Figure 37:

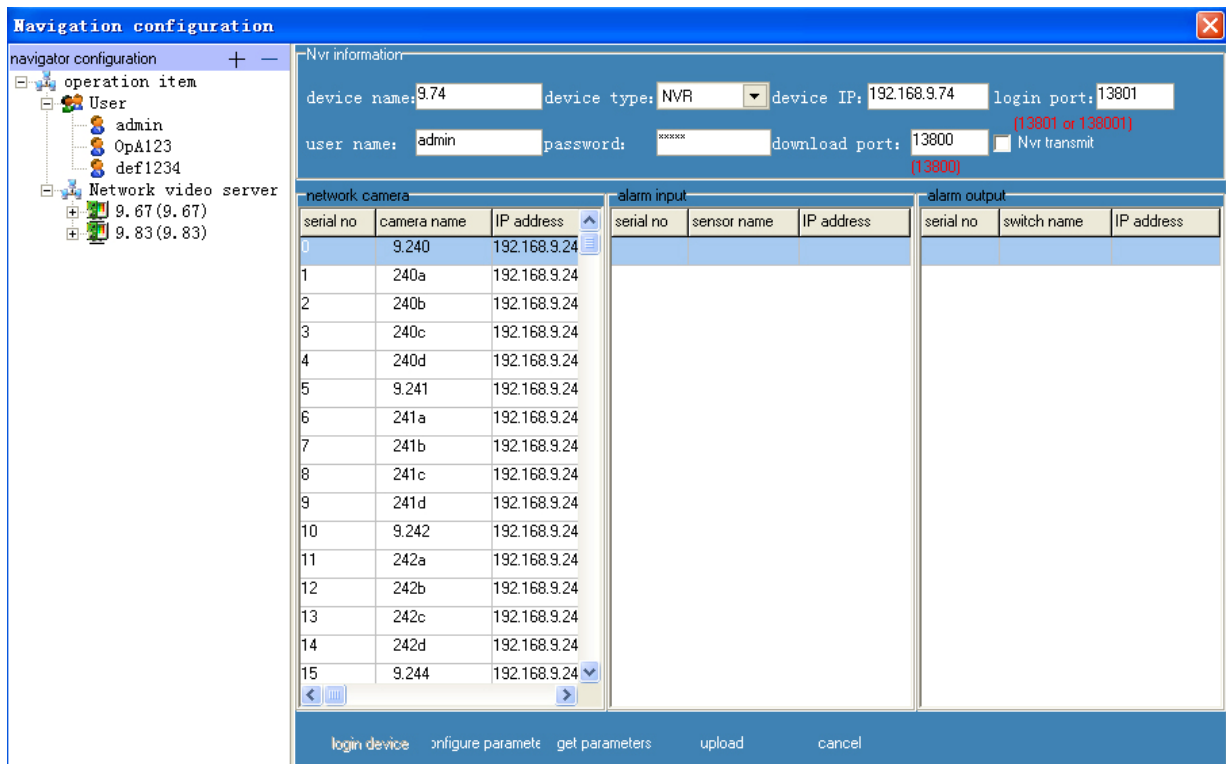


Figure37

2. Click “**Global settings**” --- click “**modify**” to set relevant parameters as you need--- click “**enable agents transmit**” to enable the function. As shown in Figure38:



Figure 38

3. Click “**NDVR search**”. In “**TCP Network settings**”, users can set two IP addresses. (This

function is mainly used when there are not enough IP addresses to assign. Users can set one IP address for the NVR, and set one IP address which is in the same network segment with the IP cameras. Then users can set cameras' IP addresses as they need unlimitedly without occupying the limited IP used by other devices like PC or NVR. This function is extremely useful in large network monitor project or install network monitor in the original network .)

As shown in Figure 39:

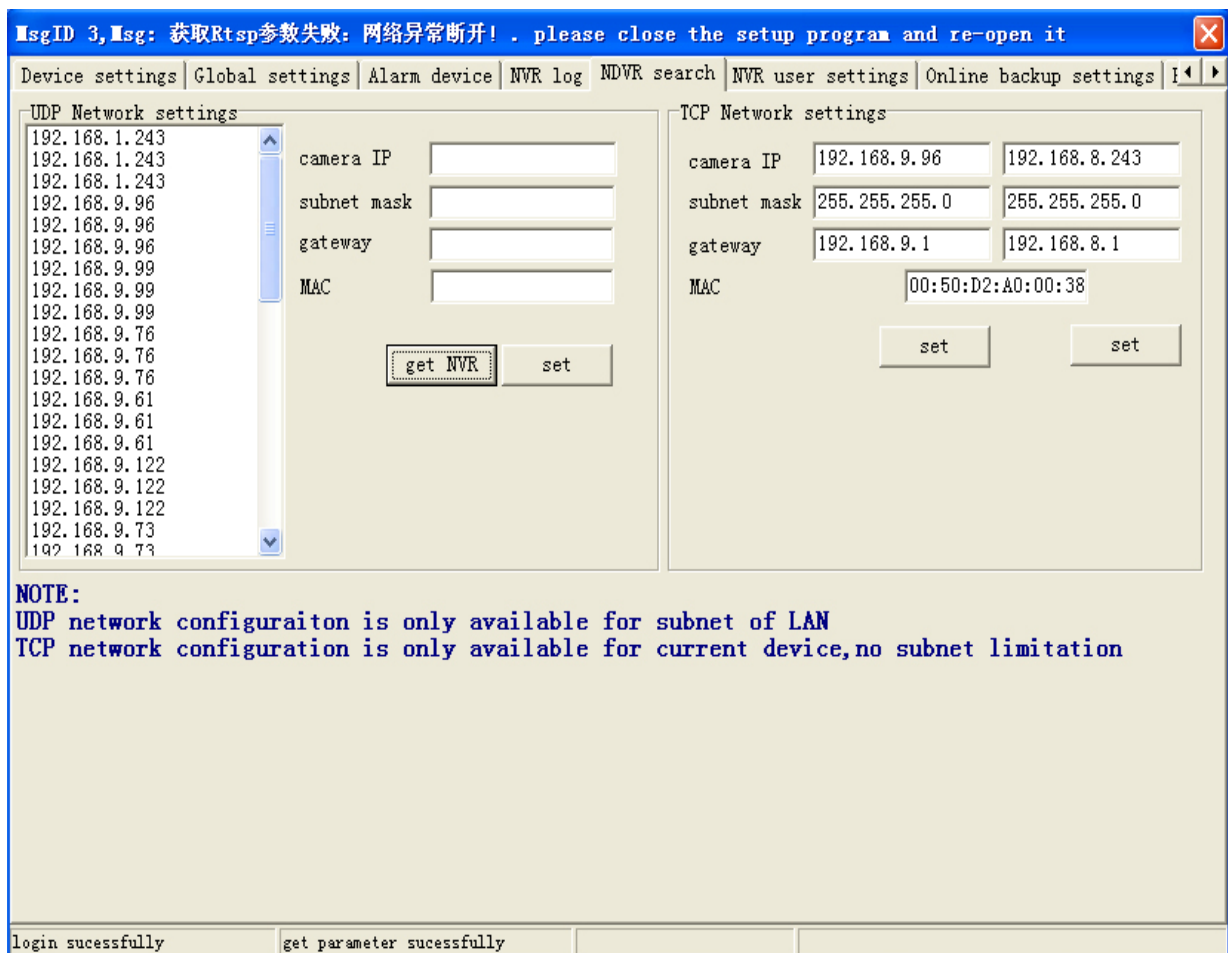


Figure 39

4. After checking “**enable agents transmit**”, IP Camera’s time verification, reboot and setting are transmitted through NVR.

16、PTZ Control

Right click the IP camera you will control in “**network navigator**” --- right click

“PTZ control” to enter the PTZ control interface. As shown in Figure 40:

Through this function can remote control front PTZ equipment, use PTZ lens control function, can adjust camera decrease or increase the vision to see better screen, also can control the camera run horizontal and vertical for better control in an all-around monitor area .

Once selected monitoring screen, click the arrow buttons can control movement ,focus and zooming of the corresponding direction . The slider can control the speed of PTZ .

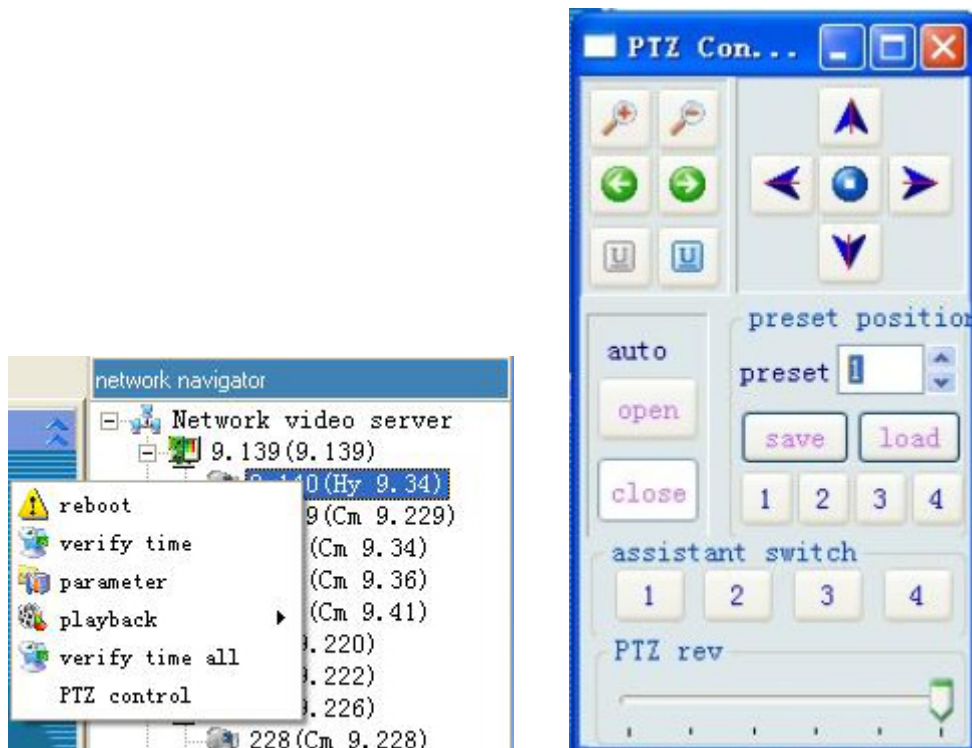


Figure 40

Warranty

During the period of warranty, users will not be charged for maintenance of any breakage resulting from the products 'own failures.

1 Warranty Terms

- a) Free-of -Charge maintenance period of the product is 18 months. During this time, we can repair it for free (Damages not caused by misuse or vandalism). For reparation after guarantee period, a maintenance fee will be charged.
- b) During the warranty period, for breakdown caused by misuse or other reasons that are out of the range of warranty, users can repair the products by showing this card. We will only charge for components.
- c) When the products need maintenance, please hand in the card together with the products to the manufacture or local distributor.
- d) Opening the inside of the products and tearing up the sealing label privately is out of the warranty range.
- e) We do not repair the damaged item after it has been modified or added other functions.

Under the following circumstances, the maintenance will be charged:

- 1 Period check, maintenance or change components due to normal attrition.
- 2 Damages due to crash, extrusion, artificial flooding, moisture or other personal reasons.
- 3 Damages due to floods, fire, lightning strike and other natural calamities or force majored incidents factors
- 4 Repaired item by non-authorized repair centers.

For all of the above terms, please refer to the relevant regulations if these are any changes.



2. Warranty Card

Please cut the follow form for information and return with camera

Product model		
Maniufacture date		
Client agency		
User name		
User address		
Contact		
Maintain time	Problem details	Result
Note:		

Address: Block 1,Xingfa Industryzone Tiegang, Xixiang town, Bao'an district, Shenzhen, Guangdong, China
518102.

 *EasyN, so easy!*